

Research Product 81-5

XM1 GUNNERY TRAINING AND APTITUDE REQUIREMENTS ANALYSES

ARI FIELD UNIT AT FORT KNOX, KENTUCKY

February 1981



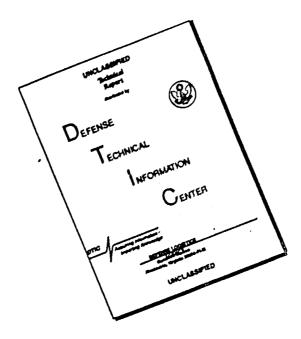
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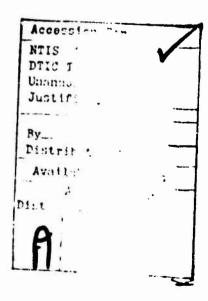
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M6CAl comparability analyses include: 1/2 the majority of XMl tasks which are directly analogous to M6OAl tasks are easier to perform on a fully operational XMl tank while performance of these same tasks on a non-fully operational XMl is almost identical in difficulty to M6OAl tasks, 2/2 tasks which are unique to the XMl are often difficult on a fully operational XMl and almost always very difficult on a non-fully operational XML, and 3/2 automation in XMl equipment design has made operator task performance during normal target engagements easier, but has conversely increased the scope and complexity of preoperational tasks under normal and degraded conditions.



Research Product 81-5

XM1 GUNNERY TRAINING AND APTITUDE REQUIREMENTS ANALYSES

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Army Project Number 20763743A794 Education and Training

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An area of major importance in the U.S. Army Research Institute for the Behavioral and Social Sciences (ARI) is individual soldier proficiency. Soldier proficiency is, at least in part, a function of both the soldier's aptitudes and the effectiveness of the training he receives. The ARI Field Unit at Fort Knox, in its Work Unit "Assigning Trainees to Armor Crew Duty Positions (XM-1)," is concerned with determining the job aptitudes that can be utilized to provide a basis for crewman assignment to attain optimal job performance in the M-1 tank. In a related work unit, "Armor Training for XM-1 Gunnery and Combat Missions", the field unit is developing methods necessary for effectively training the M-1 tank crewman, with particular emphasis on the unique characteristics of the M-1 tank and the effects of varying aptitudes among recruits entering the Armor training system. Basic to these efforts is the derivation of unique M-1 operating requirements as they relate to the aptitudes and skill requirements of crewmember job performance.

This research product provides comparability analyses, using the M60Al tank system as a standard, which identify probable M-l crewmember gunnery skill and aptitude requirements. Also identified are tasks which may pose potential assignment or training problems.

This research effort is responsive to the requirements of RDT&E project 2Q763743A794 of the FY 81 ARI Work Program.

JOSEPH ZEIDNER Technical Director

#### XM1 GUNNERY TRAINING AND APTITUDES REQUIREMENTS ANALYSES

#### BRIEF

#### Requirement:

Previously conducted XMI task analyses failed to address areas of special concern to Armor crewmen, training developers and recruiters alike. Questions concerning differences in the tank gunnery performance requirements of the XMI versus the current M60Al tank and how these differences might affect training or personnel selection remained unanswered. To address these concerns, an analysis of XMI gunnery training and aptitude requirements was initiated.

#### Procedure:

Task inventories were prepared for each XMl crew position and for tasks requiring interaction among crewmembers. A comparability analysis was conducted using the M60Al as a standard to identify tasks posing potential training or aptitude problems. For each such task, tentative training or assignment solutions were proposed. Also identified were the sites at which training would take place for each of the tasks listed, e.g., OSUT or operational unit.

#### Findings:

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The majority of XMl tasks which are directly analogous to M60Al tasks are easier to perform on a fully operational XMl tank. Performance of these same tasks on a non-fully operational XMl is almost identical in difficulty to M60Al tasks. Tasks which are unique to the XMl are often difficult on a fully operational XMl and almost always very difficult on a non-fully operational XMl. Automation in XMl equipment design has made operator task performance during normal target engagements easier, but has conversely increased the scope and complexity of preoperational tasks under normal and degraded conditions.

#### Utilization of Findings:

These analyses provide the basis for the development of XMI tank commander and gunner job sample predictors. They have been used in the initial stages of decision-making concerning a review and revalidation of the ASVAB prerequisites for Armor OSUT training. The training comparability portions of these analyses are the major reference for training effectiveness evaluators in their observation of XMI OSUT classes at the U.S. Army Armor School at Fort Knox.

### XMI GUNNERY TRAINING AND APTITUDES REQUIREMENTS ANALYSES

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#### INTRODUCTION

The advent of the new XM main battle tank with its vastly improved fire control system, power plant, suspension system, and armor protection has significantly increased the potential fighting capability of US Armor units. However, the achievement of maximum capability is in large measure a function of the performance of the assigned crewmen. The level of crewman job performance is therefore of primary concern to various members of the Armor community. Future operators, for example, want to know how the XMI differs from their present tanks. Persons responsible for the design and development of XMI training want to know what major changes, if any, need to be made in training content or methods of training delivery. Finally, personnel involved in manning the force want to know if new recruits need to be selected on the basis of certain special abilities or aptitudes. In response to these concerns, the US Army Research Institute at Fort Knox has reviewed previous efforts to address these questions and has conducted an evaluation of the training and aptitude requirements for the gunnery portion of the XMI tank weapons system.

Army material systems such as the XV tank are initiated, developed, deployed, supported, modified and disposed in an event-step process called the Life Cycle Systems Management Model (LCSMM). As part of the LCSMM, material developers are required to provide the Army with a Quantitative and Qualitative Personnel Requirements Information (QQPRI) statement. This statement contains sufficient information for personnel and training planning, and is normally supported by a Front End Analysis (FEA) of the proposed system. As for the XML, the FEA was to contain at a minimum a listing of the individual duties

DA Pamphlet 11-25, Life Cycle System Management Model for Army Systems. HQDA: May 1975.

and tasks to be performed in each of the crew positions, the procedures involved in carrying out each task, and a listing of the skills, knowledges, and physical/mental ability requirements.

Chrysler Corporation, the materiel developer for the XM1, delivered to the Army a Task and Skill Analysis (TASA) to satisfy the FEA requirement. 2

Users of the TASA at the Armor School were uniformly critical of the work.

Generally described as inaccurate, incomplete and to a large extent, obsolete the TASA failed to provide the information necessary for addressing the concerns of future operators, training developers, or manpower recruiters. The TASA did not inventory the performance requirements which constitute each individual tank crewman's job, i.e., most of the job tasks listed were equipment-oriented rather than behavior-oriented. Moreover, the task analysis was restricted to a mere listing of the steps or procedures required in task performance. The specific knowledges, skills, and physical/mental abilities involved in carrying out each task were noticeably absent.

The Directorate of Training Development (DTD) at the US Army Armor School was required to conduct an XM1 training analysis for the purpose of training entry-level XM1 Armor Crewmen. Using the Chrysler TASA as a resource document, together with Subject Matter Experts (SMEs) transition trained during Operation Testing (OT II) at Fort Hood, DTD performed a training analysis following the Instructional System Design (ISD) model. The result of this effort

<sup>2</sup> XM1 Tank Program FSED/PEP Phase Task and Skill Analysis Report (Preliminary)
for the XM1 Tank; Combat, Full-Tracked 105mm Gun. Report X-COON-1. Sterling
Defense Division: Sterling Heights, MI. 30 Sep 77.

US Army Armor Center. Training Development Handbook, Phase 1: Analysis of Instructional Systems Development Procedures, Fort Knox, KY: April 1978.

was an Armor Center task list that provided the basis for the development of Armor training activities to support the XML.

The training analysis provided by DTD was a marked improvement over the training analysis provided by Chrysler in that it identified the knowledges and skill requirements for task performance. However, the degree of specification remained much too general to meet the particular needs of the intended use:s. Task analysis documentation on target engagements with the main gun failed to delineate the individual crewmember behaviors which make up the task. For example, the DTD list did not distinguish between the behaviors involved in round sensing during daylight and round sensing at night. Round sensing by the gunner from a moving tank at night using the TIS was not addressed.

Review of the training analyses conducted by Chrysler and DTD left many questions unanswered concerning specific tank gunnery related crewmember behaviors and emphasized the immediate need for a job-task analysis by crew position that would provide the level of detail necessary for comparing gunnery performance requirements across M60Al and XMl weapon systems. In response to this need, XMl gunnery specific tasks lists were prepared for all crew positions, both individually and collectively, XMl task performance requirements were compared to analogous requirements of the current main battle tank, the M60Al, in terms of their potential for training or assignment problems, tentative solutions were proposed for the potential problems identified and where appropriate, the site selected for training the individual \*25ks was specified.

To assure a comprehensive approach, information to conduct the present analyses was gathered from numerous sources. The Chrysler and DTD analyses

Memorandum. ATZK-TD-ID, Subject: MOS 19 E10-40 Tasks Selected for Training, 19 May 1980.

were useful to the extent that they provided an overview of the gunnery job requirements and supportive task analysis documentation. In addition, information was obtained during structured interviews with personnel having varying amounts of experience and varying levels of skill on the XML. These personnel included Chrysler trained Armor soldiers who served as XML crewmen during the second Operational Test (OT-II) of the vehicle, DTD trained Armor soldiers who were to serve as trainers at the third Operational Test (OT-III), and military personnel from an operational TOSE Cavalry unit who participated in the continuous 24 hour day AMM (Reliability, Availability, and Maintainability) testing held at Fort Knox. Many of these interviews were conducted by having the soldier demonstrate the various tasks on the XML. This allowed ARI researchers the opportunity to observe hands-on task performance of experienced XML trained soldiers. Information obtained from each of these sources was checked against the up-to-date version of the XML operators manual.

After all appropriate information had been obtained, an orderly process of categorizing the data was followed. Each crew position was analyzed separately, with all crew interactive material combined regardless of whether it involved two-man, three-man, or full crew tasks. A compilation of tasks that make up an individual's job requirements was then prepared for each crew position. This compilation, referred to as a task inventory, contained primarily those duties, tasks, or subtasks designated as gunnery related. Included in the task inventory were the pre/post preventive maintenance checks and services (PMCS).

Operator's Manual for Tank, Combat, Full Tracked, 105mm Cun, XM1 (2350-01-061-2445), Draft Technical Manual (TM 9-2350-255-10), August 1980.

The order in which the various tasks appear in the task inventory was based on a chronological sequence of events that occurs in an operational Armor unit preparing for and conducting combat missions. Tasks which were functionally related were grouped together and listed in a duty category classification. (Note: Duties are listed as major classifications and set off by designated Roman numerals.) Tasks which required the performance of one or more individual behaviors and contained a definite beginning and end were listed in a subtask category. (Note: Tasks are denoted by Arabic numerals with subtasks being assigned lower case letters.)

After completion of the task inventories for each crew position and crew interactive, a subjective M60Al comparability analysis was conducted and potential sources of training problems were identified. Problem identification was based upon knowledge of M60Al training problems and interviews with new XMl crewmen concerning training difficulties. To address the concern of personnel responsible for manning the force, the aptitude requirements of each position were addressed by categorizing tasks as primarily involving psychomotor aptitudes or cognitive (mental) aptitudes. Potential assignment problems were noted where the psychomotor aptitude requirements appeared to be unique and/or cognitive aptitude requirements appeared to be higher than those for the M60Al system.

The results of these analyses are presented in Tables 1 through 5, for tank commander (TC), gunner (GNR), loader (LDR), driver (DVR), and crew interactive, respectively. To facilitate the use of these tables a brief explanation of the table headings and information coding system is presented in the following paragraphs.

Tables 1 through 4 contain the task inventories and analyses for each crew position (Table 5 will be discussed separately). Each table contains three major headings or information divisions, titled M60Al Task Comparison Analyses, Tentative Solutions and Training Sites, respectively. The first heading or division (see example below) contains a task by task classification

|     |                               | ·       | M60    | Al TASK | COMPA | RISON AN | VALYSIS | 5      |        |
|-----|-------------------------------|---------|--------|---------|-------|----------|---------|--------|--------|
|     | XML TASK LIST                 | COMMON- | TASK   | PERFORM | PRO   | BLEM     | C.      | AUSE   | JCB    |
|     | (GUNNER)                      | ALITY   | EASIER | HARDER  | TRAIN | ASSIGN   | MOTOR   | MENTAL | SAMPLE |
| VI. | PERFORM TIS CHECKOUT          | UNIQUE  | NO     | YES     | YES   | YES      | YES     | YES    | POS    |
|     | 33. Prepare TIS for Operation | υ       |        |         | X     |          |         | x      |        |

which in the first column, COMMONALITY, notes whether performance of the list XM1 task was unique ("UNIQUE" or "U") to the XM1, different ("DFRNT" or "D") in some aspect from the M60A1, or essentially the same ("SAME" or "S") as its M60A1 counterpart.

Also found in the initial division is a task by task subjective evaluation of the performance difficulty of XMI tasks with reference to the M60Al. For example, a "YES" appearing under the heading labeled, TASK PERFORM: HARDER, denotes that the duty area in general appears to be more difficult to perform on the XMI than in the M60Al. A subsequent "X" or "(x)" in that column indicates that a specific task or subtask within that duty area appears more difficult. Subtasks classified as less difficult to perform are noted in a similar manner under the heading labeled, TASK PERFORM: EASIER.

The next analysis within this division classifies tasks as having or not having the potential for causing training or assignment problems. A duty or task identified as a potential training problem was defined as one which may require substantially more training time or training resources than its M60Al counterpart. Such duties were noted by placing "YES" under the heading

labeled, PROBLEM: TRAIN, while tasks or subtasks with potential training problems were noted by "X" or "(x)", respectively. Where the data base was insufficient to make a judgment, a question mark (?) was placed in that column. Tasks having potential assignment problems were those which involved a level of difficulty which make it unlikely that personnel minimally meeting present ability requirements (e.g., CO score of 85) could perform effectively. If a potential assignment problem was foreseen based on the requirements in a particular duty, "POS" was placed in the column labeled, PROBLEM: ASSIGN, across from that duty to note the "possible" existence of an assignment problem.

Where confidence existed that no assignment problems would be encountered "NO" was entered in the column. Again, tasks and subtasks sharing the same rating as their duty were labeled with "X" and "(x)" respectively. Question marks

(?) appear where the data was insufficient to make a judgment.

To complete the M60Al comparison, duties, tasks and subtasks identified as having potential training and/or assignment problems were classified as to whether the problem was estimated to be the result of particularly unique psychomotor requirements ("MOTOR") or cognitive aptitude requirements ("MENTAL") or both. Duties having potential problems were identified by placing "YES" under the appropriate column heading, CAUSE: MOTOR/MENTAL. Tasks and subtasks receiving the same rating as their associated duty were denoted by "X" or "(x)", respectively.

Duties which appeared to have the potential of being selected for inclusion in a job sample test battery were noted by placing "YES" under the heading, JOB SAMPLE. Those duties which may, after further research, be useful as job samples were noted by placing "POS" in that column, while possible job sample tasks were identified by a question mark (?). A "NO" under the job

sample heading indicates those tasks for which a job sample test was considered inappropriate.

The second heading or division (see example below) contains tentative

|                               | TENTA  | TIVE  | TR   | AINI | 1G  |
|-------------------------------|--------|-------|------|------|-----|
| XM1 TASK LIST                 | SOLUT  | LON_  | MORE | JOB  | TNC |
| (GUNNER)                      | SELECT | TRAIN | НО   | AID  | DEV |
| VI. PERFORM TIS CHECKOUT      | POS    | YES   | YES  | NO   | 700 |
| 33. Prepare TIS for Operation |        | Х     | X    |      |     |

solutions for assignment or training problems identified in the M60Al task comparison analysis.

If the duty was estimated to be the source of a potential training problem then "YES" was entered in the column labeled, TENTATIVE SOLUTION: TRAIN, if not, then "NO" was entered. If additional hands-on practice was proposed as a solution then "YES" was placed in the column labeled, TRAINING: MORE HO, if not then "NO" was entered. If incorporating a job aid appeared to be an appropriate method of training the task, then "YES" was placed in the column labeled, TRAINING: JOB AID, if not, then "NO" was entered. If either or both these solutions was considered inadequate, or if a training device was being developed for training then "YES" was entered in the column labeled, TRAINING: TNG DEV, if not, then "NO" was entered. Again, a task or subtask receiving the same response as its respective duty area received an "X" or "(x)" under the appropriate hearing, and those for which insufficient data was available received a question mark (?).

If the duty was identified as posing a potential assignment problem and the tentative solution offered was to seek methods for more appropriate assignment of cremmen, then "POS" (i.e., possible) was entered under the heading

labeled, TENTATIVE SOLUTION: ASSIGN. Where a task or subtask received the same response as its respective duty area, an "X" or "(x)" was entered under the appropriate heading. Question marks (?) appear where the data was insufficient to make a judgment.

The third heading or division (see example below) contains information concerning training delivery. If a duty listed also appeared in the DTD list

|     |                               | TRAINING DELIVERY DATA           |
|-----|-------------------------------|----------------------------------|
|     | XML TASK LIST                 | DTD   SKILL TRNG   TRAINING SITE |
|     | (GUNNER)                      | TASK LEVEL TYPE OSUT TRANS UNIT  |
| VI. | PERFORM TIS CHECKOUT          |                                  |
|     | 33. Prepare TIS for Operation | хх                               |

then a "YES" was placed across from that duty in the column titled, DTD TASK. Where specific tasks or subtasks were found in the DTD list, an "X" or "(x)", respectively, was placed opposite that specific task. The second column, SKILL LEVEL, presents the military rating of the lowest standard (level) of skill required to perform the task. For example, skill level 1 is that level attained by the soldier upon completion of OSUT. The third column, TRNG TYPE, presents the information from the DTD task analyses regarding where the task is to be trained. The letter "X" refers to resident (school) training, "Y" represents non-resident (unit) training, and "Z" denotes that the task was listed but not selected for formal training either in the school (OSUT) or in the unit. Under the heading, TRAINING SITE, are three locations: OSUT, TRANS, and UNIT. An "X" in these columns across from a particular task specifies that the task is listed for school training (OSUT) at Fort Knox, for transition training (TRANS) based on OT III, or for formal training (UNIT) on-the-job.

An asterisk (\*) in the TRANS column opposite each task indicates that during

OT-III, 20 percent or more of the soldiers being trained failed to meet the minimum acceptable level of performance required to accomplish the task.

Training site was included in the analyses to distinguish between locations specified by the DTD list and locations noted in training documentation.

Table V contains tasks which involve crew interaction, that is, the appropriate combat performance of these tasks would involve two or more crewmen.

By definition collective training is required for these tasks. Because all collective training is the primary responsibility of TO&E units, the TRAINING DELIVERY DATA section is not applicable and therefore is not included in Table V. However, all other analyses were conducted in the same manner as presented for Tables I through IV.

#### **FINDINGS**

The findings reported herein are based on the subjective analyses of the data presented in Tables I-V. The summary statements presented concern only the major trends in the data considered to be of interest to members of the Armor community.

The majority of XMl tasks which are directly analogous to M60Al tasks are easier to perform on a fully operational XMl tank. Performance of these same tasks on a non-fully operational XMl are almost identical in difficulty to M60Al tasks. For example, tracking a moving target is easier on the XMl because the appropriate lead is automatically applied as the gunner lays on, ranges and tracks the target. In the fully operational M60Al the gunner must apply varying amounts of lead based on target speed and the type of ammunition being fired. Performance of these same tasks in a non-fully operational XMl is almost identical in degree of difficulty to performance of these tasks in a fully operational M60Al. When automatic lead in the XMl has, for some

reason, malfunctioned lead must be applied in the same manner as on the fully operational M60Al.

Tasks which are unique to the XMl are often difficult on a fully operational XM1 and almost always very difficult on a non-fully operational XM1. For example, the XM1 employs a laser rangefinder which is much faster and more accurate than the coincidence rangefinder found in the M60Al. However, unwanted multiple or inaccurate laser returns make it necessary for the tank commander to constantly verify the laser range return based on his estimate of the actual range to target. Therefore, laser ranging on the XM1 contains a larger cognitive component than does coincidence ranging on the M6041. In the event of a laser rangefinder malfunction (non-fully operational XM1), the tank commander has the unique capability of inputing an estimated range into the computer by means of a manual range add/drop toggle switch and firing precision. For small adjustments, the switch is held for four seconds to make range changes at a speed of fifty meters a second. For large adjustments, the switch is held for more than four seconds to make range changes at a speed of 500 meters a second. Thus, ranging in a degraded mode can significantly increase task difficulty by requiring precision adjustments under stressful conditions induced by time constraints.

Automation in XM1 equipment design has made operator task performance during normal target engagements easier, but has conversely increased the scope and complexity of preoperational tasks during normal and degraded conditions.

On the surface it appears that target engagements under normal operating conditions on the XM1 are much simpler and less demanding than M60Al requirements. The XM1 ballistic computer automatically adjusts for lead, cant, wind, ammo temperature, barometric pressure, air temperature and gun tube wear; factors

which in the M60Al must be compensated for by the operator. However, in order for the ballistic computer on the XM1 to make these adjustments automatically, it becomes necessary for the operator to perform an extensive series of preoperational computer programming steps. Data must be entered in sequence for each factor based on current operating conditions and then verified to ensure proper entry. When conditions warrant degraded modes of operation, the operator must respond correctly to one or more of eight digitally-coded warning signals and then apply the appropriate procedures necessary to null-out the effects of these malfunctions in the fire control system. Later, as time permits, the operator must follow established troubleshooting procedures specified for the particular fire control system malfunctions. To date, there are 31 troubleshooting tasks for the XM1 fire control system alone.

#### GLOSSARY OF TERMS

| CATEGORY        |        | RATI | NGS     | ISSUES ADDRESSED                     |
|-----------------|--------|------|---------|--------------------------------------|
|                 | Duty   | Task | Subtask |                                      |
| COMMON-         | UNIQUE |      | (u)     | Is the XMl task unique to the        |
| ALITY           | DFRNT  | D    | (g)     | XM1, different from the M60Al        |
|                 | SAME   | S    | (s)     | or the same as on the M60Al?         |
|                 |        |      | •       |                                      |
| TASK PERFORM    | YES    | X    | (x)     | Is the XML task easier or            |
| EASIER HARDER   | NO     | X    | (x)     | harder to perform than it's          |
|                 |        |      |         | M60Al counterpart?                   |
| PROBLEM         | YES    | x    | (x)     | Is performance of the XM1 tank       |
| TRAIN ASSIGN    | POS    | ?    | (?)     | a potential training or assign-      |
|                 | NO     | X    | (x)     | ment problem? (POS = possible)       |
|                 |        |      |         |                                      |
| CAUSE           | YES    | X    | (x)     | Is the cause of the potential        |
| MENTAL MOTOR    | NO     | X    | (x)     | problem primarily mental (cogni-     |
|                 |        |      |         | tive) or motor (psychomotor)?        |
| JOB             | YES    | x    | (x)     | Does the XMl task have the           |
| SAMPLE          | POS    | ?    | (?)     | potential to serve as a "job         |
|                 | NO     | X    | (x)     | sample" test? (POS = possible)       |
|                 |        |      |         |                                      |
| TENTATIVE       | YES    | X    | (x)     | Is the solution to the potential     |
| SOLUTION        | POS    | ?    | (?)     | problem likely to be found in        |
| SELECT TRAIN    | NO     | X    | (x-)    | selecting special personnel or       |
|                 |        |      |         | in using special training tech-      |
|                 |        |      |         | niques? (POS = possible)             |
| TRAINING        | YES    | X    | (x)     | If special training techniques       |
| MORE JOB TRNG   | NO     | X    | (x)     | are suggested, would more hands-     |
| HO AID DEV      |        |      |         | on training, job aids or train-      |
|                 |        |      |         | ing devices be applicable?           |
| DID             | YES    | х    | (x)     | Did the XM1 task appear in the       |
| TASK            | NO     | X    | (x)     | DTD list of tasks selected for       |
| <u></u>         |        | ••   | ()      | training?                            |
|                 |        |      |         |                                      |
| SKILL           | 1      | X    | (x)     | If the XMl task appeared in          |
| LEVEL           | 2      | X    | (x)     | the DTD list, what was its           |
|                 | 3      | X    | (x)     | skill level rating?                  |
| TRNG            | х      | x    | (x)     | If the XM1 task appeared in the      |
| TYPE            | Y      | X    | (x)     | DTD list, where was it desig-        |
| L               | Z      | X    | (x)     | nated for training, i.e., OSUT (X),  |
|                 |        |      |         | unit (Y), or not selected for        |
|                 |        |      |         | formal training (Z)?                 |
| TRAINING SITE   | YES    | x    | (x)     | Based on a review of training        |
| OSUT TRANS UNIT | NO     | x    | (x)     | materials developed for the XM1,     |
|                 | *      | *    | *       | where is the task trained? (Aster-   |
|                 |        |      |         | isk (*) in the TRANSition column de- |
|                 |        |      |         | notes > 20% failure rate at OT III.) |
|                 |        |      | 13      |                                      |

TABLE I

XM1 TASK LIST

(TANK COMMANDER)

| \$00 t 133  |          | 3    | 100.00       | COMPANY CONT         |    | 27.20.1414     |             |                         | Shirt At Mad.            | 3/1      | YOL        | CMINIAGE |     | , a | ATMINIC | DELT.                  | JE RV | ATA        | _  |
|---|----------|------|--------------|----------------------|----|----------------|-------------|-------------------------|--------------------------|----------|------------|----------|-----|-----|---------|------------------------|-------|------------|----|
| 2   | -NOTHING | TASK | TASK PERIORA | PROBLEM<br>TRAIN ASS |    | CAUSE<br>CAUSE | SE.         | .10 <b>8</b><br>SAMP1.E | SOLUTION<br>SELECT TRAIN | RAIN     | MORE       | JOB TRNG | DYD | S   | L TRIG  | TEL TRIG TRAINING SITE | NING  | TRANS UNIT | TE |
| 1. PERFORM BELOKE OPERATION PICS (EXTERIOR)               | DFRNT    | ě    | YES          | YES                  | Ŝ. | ON<br>ON       | YES         | МО                      | Š                        | YES      | ON<br>ON   | YES NO   | YES | 1   | ×       | YES                    | YES   | ON         | l  |
| 1. Supervise PMCS   | ۵        |      | ×            | ×                    |    |                | ×           |                         |                          | ×        |            | ×        | ×   | 3   | ×       |                        |       |            |    |
| II. PREPARE STATION FOR OPER-<br>ATION (Tasks #2 thru 20) | DFICKT   | Š    | YES          | YES                  | Ş. | OK             | YES         | ox.                     | ON.                      | YES      | YES        | YES YES  | YES | ~   | ×       | YES                    | YES   | ON         |    |
| 2. Enter the Cdr's Station                                | s        |      |              |                      |    |                |             |                         |                          |          |            |          |     |     |         |                        | ×     |            |    |
| 3. Power-Up Cdr's Station 5 Turnet                        | 2        |      |              | ×                    |    |                | ×           | ,                       |                          | ×        | ×          | ×        |     |     |         |                        | ×     |            |    |
| a. Master Power Suitch                                    | 3        |      |              | <b>(x</b> )          |    |                | <b>(</b> X) |                         |                          | (x)      | ×          | (x)      |     |     |         |                        |       |            |    |
| b. Turret Power/Engine<br>ON                              | 3        |      |              | <b>(X</b>            |    |                | (×          |                         |                          | Š        | <b>(X)</b> | (x)      |     |     |         |                        |       |            |    |
| c. Aux Power/Engine OFF                                   | 3        |      |              | (x)                  |    |                | <b>(</b> X  |                         |                          | ×        | 3          | (x)      |     |     |         |                        |       |            |    |
| 4. Check Operation of Cdr's Panel Switches and Lights     | ۵        | ×    |              |                      |    |                |             |                         |                          |          |            |          |     |     |         |                        | ×     |            |    |
| 5. Replace Panel Lamps                                    | ۵        |      |              |                      |    |                |             |                         |                          |          |            |          |     |     |         |                        | ×     |            |    |
| 6. Adjust Cdr's Panel<br>Lamp Brightness                  | _        |      |              |                      |    |                |             |                         |                          |          |            |          |     |     |         |                        | ×     |            |    |
| 7. Operate rdr's Katch<br>(3 Positions)                   | ۵        |      | ×            | ×                    |    | ×              |             |                         |                          | ×        | ×          |          |     |     |         |                        | ×     |            |    |
| a. Raise/Lower CLS<br>Hatch to Protected<br>Open          | 3        |      |              | ×                    |    | <b>*</b>       |             |                         |                          | <b>x</b> | 8          |          |     |     |         |                        |       |            |    |
| b. Raise CMS Match to<br>Full Open                        | €        |      | <b>*</b>     | ×                    |    | 8              |             |                         |                          | <b>x</b> | 8          |          |     |     |         |                        |       |            |    |
| c. Close CMS Hatch  | 3        |      |              | <b>X</b>             |    | (×)            |             |                         |                          | 3        | ×          |          |     |     | •       |                        |       |            |    |
| 8. Adjust Cdr's Seat                                      | s        |      |              |                      |    |                |             |                         |                          |          |            |          |     |     |         |                        | ×     |            |    |
| a, Raise/Lower Cdr's<br>Seat                              | <b>②</b> |      |              |                      |    |                |             | -                       |                          |          |            |          |     |     |         |                        |       |            |    |
| 9. Adjust Cdr's Platform                                  | ۵        |      |              |                      |    |                |             |                         |                          |          |            |          |     |     |         |                        | ×     |            |    |
| s. Raise/Lover Cdr's<br>Lover Platform                    | 3        |      |              |                      |    |                |             |                         |                          |          |            |          |     |     |         |                        |       |            |    |

| XM1 TASK LIST<br>(TANK COPIANDER)   | -KOHEOC | TAS) | 200A1 TASK OPTARISON ANALYSIS<br>PERPORM PEDBLEN CAUSE | SK COSTA<br>PEDE<br>R TRAIS | COSTARISON PEOPLEH | ANALYS<br>CAI<br>NOTOR | AALYSIS<br>CAUSE<br>YOTOR MENTAL | JOB      | TENTATIVE<br>SOLUTION<br>SELECT TRAIN |     | TRAT<br>MORE J | TRAINING MORE JOB TRNG HO AID DEV | DTD | TRAINING<br>SKILL TRYG<br>LEVEL TYPE | TRAINING DELIVERY DATA (ILL TRNG TRAINING SITE EVEL TYPE OSUT TRANS UN | DELIVER<br>TRAINI<br>OSUT I | FRY DATA VING SITE TRANS UNIT | N L L |
|---|---------|------|--|-----------------------------|--------------------|------------------------|----------------------------------|----------|---------------------------------------|-----|----------------|-----------------------------------|-----|--------------------------------------|--|-----------------------------|-------------------------------|-------|
| b. Raise/Lower Cdr's<br>Hiddle Platform                                   | Ê       |      |  |                             |                    |                        |                                  |          |                                       |     |                |                                   |     |                                      |  |                             |                               |       |
| 10. Adjust Cdr's Knee Guard   | ۲       |      |  |                             |                    |                        |                                  |          |                                       |     |                |                                   |     |                                      |  |                             | ×                             |       |
| a, Stow/Unstow Cdr's Knee Guard   | 3       |      |  |                             |                    |                        |                                  |          |                                       |     |                |                                   |     |                                      |  |                             |                               |       |
| 11. Operate Domelight   | ۵       | ×    |  |                             |                    |                        |                                  |          |                                       |     |                |                                   |     |                                      |  |                             |                               |       |
| a. Select Domelight Filters (Red/White)                                   | 9       | ×    |  |                             |                    |                        |                                  |          |                                       |     |                |                                   |     |                                      |  |                             |                               |       |
| b. Turn Dome 11ght ON/  | €       | 3    |  |                             |                    |                        |                                  |          |                                       |     |                |                                   |     |                                      |  |                             |                               |       |
| c. Adjust Domeright<br>Brightness   | 9       | 3    |  |                             |                    |                        |                                  |          |                                       |     |                |                                   |     |                                      |  |                             |                               |       |
| 111. PERFORM BEFORE UPERATIONS<br>PMCS (INTERIOR)                         | DFRUT   | Č    | ON   | YES                         | ON                 | Š                      | YES                              | ON       | ON.                                   | YES | YES            | ON ON                             | YES | -                                    | ×  | YES                         | YES                           | ON    |
| 12. Operate Radio Set With<br>lateronm System                             | S       |      |  | ×                           |                    |                        | ×                                |          |                                       | ×   | ×              |                                   | ×   | H                                    | ×  |                             | ×                             |       |
| a. Connect/Disconnect<br>CVC Helmet to Inter-                             | (8)     |      |  |                             |                    |                        |                                  |          |                                       |     |                |                                   | ×   | 1                                    | (×   |                             |                               |       |
| 2. Laterteem Mithuat Bon-   | 3       |      |  |                             |                    |                        |                                  |          |                                       |     |                |                                   | ×   | (1)                                  | (×)  |                             |                               |       |
| C. Intercon Estay Thumb   | 3       |      |  |                             |                    |                        |                                  |          |                                       |     |                |                                   | ž   | (1)                                  | (x)  |                             |                               |       |
| d. Set Tactical Radio   | (g)     | (×   |  |                             |                    |                        |                                  |          |                                       |     |                |                                   | (x) | (1)                                  | (x)  |                             |                               |       |
| IV. ADJUST CDR'S CPS EXTENSION (GPSE)                                     | DFRMT   | ş    | ON.  | CN                          | 0                  | N.                     | V.                               | ON       | ON<br>O                               | 0N  | ON             | ON ON                             | Q.  | e.                                   | ر.<br>د  | ON<br>ON                    | YES                           | ox    |
| 13. Operate Ballistic Boors   | ۵       |      |  |                             |                    |                        |                                  |          |                                       |     |                |                                   |     |                                      |  |                             | »:                            |       |
| a. Open/Close Ballistic<br>Doors  | Ê       |      |  |                             |                    |                        |                                  | <u> </u> |                                       |     |                |                                   |     |                                      |  |                             |                               |       |
| 14. Adjust GPSE Brow Pad  | E       |      |  |                             |                    |                        |                                  |          |                                       |     |                |                                   |     |                                      |  |                             | ×                             |       |
| 15. Adjust GPSE Focus Using<br>Diopter Ring                               | e       |      |  |                             |                    |                        |                                  |          |                                       |     |                |                                   |     |                                      |  |                             | ×                             |       |
| 16, Check GPSE for Melature,<br>Fungus, Scratches and<br>Cham GPSE Optics | £       |      |  |                             |                    |                        |                                  |          |                                       |     |                |                                   | ×   | 1                                    | <u>ب</u>   |                             |                               | ×     |

| XMI TASK LIST   |                    |        | 7.6      | MOAL TASK                     | ×   | COMPARISON | ANALYSIS | SI                 |            | TENTATIVE                | VE   | TR             | TRAINING | _   |                 | TRAIN   | INC           | FLIVER | TRAINING DELIVERY DATA |          |
|---|--------------------|--------|----------|-------------------------------|-----|------------|----------|--------------------|------------|--------------------------|------|----------------|----------|-----|-----------------|---------|---------------|--------|------------------------|----------|
| (TANK COPMANDER)  |                    | -NOUTH | TASK 1   | TASK PERFORM<br>EASTER HARDER | E   | PROBLEM    | NOTOR C  | CAUSE<br>OR MENTAL | SAMPLE     | SOLUTION<br>SELECT TRAIN | KAIN | MORE JOB TRNG  | AID      |     | DTD S<br>TASK L | SKILL 1 | TYPE          | OSUT T | TRANS UNIT             | NIT      |
| Y. INSTALL COR'S WEAPON                                       | PON                | DFKNT  | YES      | ON                            | YES | ON         | No       | YES                | NO         | ON                       | YES  | YES            | 02       | ON. | ON              | 9       |               | YES    | YES                    |          |
| 17. Install Cal. 50 Receiver                                  | Receiver           | ۵      | ×        |                               |     |            |          |                    |            |                          |      |                |          |     | ×               | ~       | <b>&gt;</b> : | ×      | *                      |          |
| 18. Install Cal .50 Berrel                                    | D Barrel           | v      | ×        |                               |     |            |          |                    |            |                          |      |                |          |     |                 |         |               | ×      |                        |          |
| 19. Set Cal .50 Headspace<br>and Timing                       | adapace            | Q      |          |                               | ×   |            |          | ×                  |            |                          | ×    | ×              |          |     | ×               | 1       | ×             | ×      | *                      | •        |
| 20, Test Cal ,50 Firing<br>Mechanism                          | iring              | Ω      |          |                               |     |            |          |                    |            |                          |      |                |          |     |                 |         |               |        | ×                      |          |
| VI. OPERATE COMMANDER'S MANUAL.<br>RANGE CONTROLS             | S MANUAL           | DFRNT  | ON .     | YES                           | YES | ON         | ON       | YES                | Pos        | ON                       | VES  | VES            | 9        | YES | ON              | ٠.      | ٠.            | NO N   | YES                    | ٥٠       |
| <ol> <li>Set Indexed Battlerange<br/>into Computer</li> </ol> | ttlerange          | ۵      |          |                               | ×   |            |          | ×                  | ۲.         |                          | × .  | ×              |          | ×   |                 |         |               |        | ×                      |          |
| 22. Adjust Battlerange<br>Using Toggle Switch                 | ange<br>vitch      | 5      |          |                               | *   |            | ×        | ×                  | <b>6</b> . |                          | ×    | ×              |          | ×   |                 |         |               |        | ×                      |          |
| a. Make Small   | Ringe              | (3)    |          |                               | ×   |            | ×        | <b>(x</b> )        | ۲.         |                          | ×    | 3              |          | ×   |                 |         |               |        |                        |          |
| b. Make Large Range<br>Adjustments                            | *Žurl              | (2)    |          |                               | (K) |            | æ        | ×                  | ٠.         |                          | ŝ    | Š              |          | 8   |                 |         |               |        |                        |          |
| C. Return to Original<br>Range                                | rígínal            | (n)    |          |                               |     |            |          |                    |            |                          |      |                |          |     |                 |         |               |        |                        |          |
| VIL. OPERATE TO TURRET POWER CONTROL HANDLE                   | POWER              | SAME   | ON       | 0                             | NO  | NO.        | <b>~</b> | ۲<br>۲             | ON.        | ON.                      | ON.  | O <sub>N</sub> | NO.      | CH. | NO<br>NO        | e.      | ٠.            | NO     | YES                    | NO<br>NO |
| 23. Test Turre: Power<br>Traverse Operation                   | rion               | s      |          |                               |     |            |          |                    |            |                          |      |                |          |     |                 |         |               |        |                        |          |
| 24. Check Turret Override<br>Capability                       | verride            | v      |          |                               |     |            |          |                    |            |                          |      |                |          |     |                 | ,       |               |        |                        |          |
| VILL. OPERATE COMMANDER'S WEAPON STATION (CMS) IN POWER HODE  | 'S WEAPON<br>POWER | UNIQUE | <u>Q</u> | YES                           | YES | ON         | YES      | O <sub>N</sub>     | ON         | ON                       | YES  | S34            | 02       | ON  | ON              | е       | ٠.            | NO Y   | YES                    | ON       |
| 25. Place CMS in Power Node                                   | over Node          | 5      |          |                               |     |            |          |                    |            |                          |      |                |          |     |                 |         |               |        | ×                      |          |
| 26. Remove/Install CAS<br>Fower (Azimuth) Control<br>Handle   | Cus<br>Control     | Þ      |          |                               |     |            |          |                    |            |                          |      |                |          |     |                 |         |               |        | ×                      |          |
|   |                    |        |          |                               |     |            |          |                    |            |                          |      |                |          |     |                 |         |               |        |                        |          |

| MAI TASK LIST  |                   |               | 2560A1 1A5K |               | COPPARISON ANALYSIS  | ALYSIS |         |               | TENTATIVE                |            | TRAIN   | TRAINING            |             | TRAI                     | NING | SELIVE | TRAINING DELIVERY DATA | 4    |
|--|-------------------|---------------|-------------|---------------|----------------------|--------|---------|---------------|--------------------------|------------|---------|---------------------|-------------|--------------------------|------|--------|------------------------|------|
| ж)   | -300000-<br>-2113 | 1.NSW         | LANDER      | PRATS.        | RENDER PROBLEM CAUSE | CAT:   |         | JOB<br>SAMPLE | SOLUTION<br>SELECT TRAIN |            | HORE JO | JOB TRNG<br>AID DEV | DTD<br>TASE | SKILL TRNG<br>LEVEL TYPE | TYPE | OSUT   | TRANS UNIT             | E E  |
| 27. Traverse CWS Using<br>Power Control Mandic                                   |                   |               |             | ×             |                      | ×      |         |               |                          | ×          | ×       |                     |             |                          |      |        | ×                      |      |
| 1X. OPERATE COMMANDER'S WEATON STATION (CMS) IN MANDAL MADE                      | DFRNT             | Q.            | 255         | YES           | NO.                  | YES    | ON      | 0X            | NO                       | YES        | YES N   | ON ON               | ĈN          | ٣                        | ٠.   | ON     | YES                    | ON   |
| 28. Place CMS in Manual<br>Mode  | а                 |               |             |               |                      |        |         |               |                          |            |         |                     |             |                          |      |        | ×                      |      |
| 29, Traverse the CMS<br>Manually   | <u>a</u>          |               | ж.          | :2            |                      | ×      |         |               |                          | ×          | ×       |                     |             |                          |      |        | ×                      |      |
| X. OPERATE CAS SIGHT (CASS)  | DFRNI             | ON            | NO.         | OX            | 0N                   | MA     | NA.     | NO<br>NO      | CN                       | 0.5        | NO N    | NO NO               | ON          | ٣                        | ٠.   | ON:    | NO                     | NO   |
| 30. Adjust CMSS Brow Pad   | a                 |               |             |               |                      |        |         |               |                          |            |         |                     |             |                          |      |        |                        |      |
| 31. Adjust CMSS Focus Using<br>Diopter Ring                                      | v.                |               |             |               |                      |        |         |               |                          |            |         |                     |             |                          |      |        |                        |      |
| 32. Check CMSS for Moisture,<br>Fungus, Seratches and<br>Clean CMSS Optics       | V.                |               |             |               |                      |        |         |               |                          |            |         |                     |             |                          |      |        |                        |      |
| X1. OPFRATE THE COMMANDER'S MEAPON/SIGHT   | SFRNT             | NO            |             | SHA           | Š                    | YES    | ON<br>O | ç             | υ <u>ν</u>               | YES        | YES     | ON ON               | O.          | ٣                        | ٠٠   | ON.    | YES                    | ON O |
| 33. Load Cal .50 Machinegun  | a                 | <b>&gt;</b> : |             |               |                      |        |         |               |                          |            |         |                     |             |                          |      |        | ×                      |      |
| 34. Leck/Unlock Cal , \$5<br>Machinegun  | A                 |               |             |               |                      |        |         | ········      |                          |            |         |                     |             |                          |      |        | ×                      |      |
| <ol> <li>Elevate/Daprens Cal ,59<br/>Using Elevation Grank<br/>Handle</li> </ol> | ٤                 |               | :41         | <b>3</b> .    |                      | ×      |         |               |                          | <b>*</b> : | ×       |                     |             |                          |      |        | ×                      |      |
| 36. Borestglit Gal.,50<br>MacLinegun   | ۵                 |               | >           | ×             |                      |        | ×       |               |                          | ×          | ×       |                     | ×           | <u>د</u>                 | ×    | ×      | ×                      |      |
| 32, Fire Gal .50 Machinegun<br>Twing Elevation Granl<br>Handle                   | 2                 |               | 7:          | ×             |                      | [34]   |         |               |                          | ×          | ×       |                     |             |                          |      |        | ×                      |      |
| 36. Fire Gal. 50 Macadhegun<br>Unang Trigger on<br>Gal. 50                       | ·^                |               |             | ×             |                      | ×      |         |               |                          | ×          | ×       |                     |             |                          |      |        | ×                      |      |
| 39. Zero Cal , 50 Machinepun   | Ø.                |               |             | <b>&gt;</b> : |                      |        | ×       |               |                          | ×          | ×       |                     | ×           | e.                       | ×    | ×      | ×                      |      |

| XMI TASK LIST   |                  | 7         | MOA! TASK           | COPPARISON |                | ANALYSIS          |                  |               | TENTATIVE             |     | TRA                      | TRAINING                     |          |                   | TRAINT                   |      | DELIVERY DATA | DATA       | П        |
|---|------------------|-----------|---------------------|------------|----------------|-------------------|------------------|---------------|-----------------------|-----|--------------------------|------------------------------|----------|-------------------|--------------------------|------|---------------|------------|----------|
| (TANK COPIANDER)  | ALL IN           | TASK E    | ALITY EASIER HARDER | TRAIN ASS  | હ              | CAUSE<br>NOTOR LE | ENTAL            | JOB<br>SAMPLE | SOLUTION<br>SELECT TR | N V | TO RE                    | MORE JOB TRNC<br>110 ALD DEV |          | DTD SK<br>TASK LF | SKILL TRVG<br>LEVEL TYPE | 10   | OSUT TRANS UN | TRANS UNIT | L L      |
| 40. Clear Cal .50 Machine-<br>gun                         | v                | ×         |                     | *          |                |                   | ×                |               |                       | ×   | ×                        |                              |          | ×                 | -                        | ×    | ×             | *          |          |
| 41. Apply Instediate Action<br>to Cal. 50 Machinegun      | v                | ×         |                     | ×          |                |                   | ×                |               |                       | >:  | ×                        |                              |          |                   |                          |      |               | ×          |          |
| a. Fill to life   | (*)              | <b>(X</b> |                     | (x)        |                |                   | (X)              |               |                       | 3   | $\widetilde{\mathbf{x}}$ |                              |          |                   |                          |      |               |            |          |
| b. Runaway Gun  | 3                | (x)       |                     | (x)        |                |                   | ×                |               |                       | (×) | æ                        |                              |          |                   |                          |      |               |            |          |
| 42, Unload Cal ,50 Machine-                               | _                | ×         |                     |            |                |                   |                  |               |                       |     |                          |                              |          | ×                 | -                        | ×    |               | ×          |          |
| XXX. OPERATE M250 GRENADE LAUNCHER                        | DFIENT           | ON        | ON                  | YES        | OK.            | ON ON             | YES              | ON            | ON                    | YES | YES                      | 0X                           | ON<br>ON | ON.               | n                        | on : |               | YES        | NO<br>NO |
| 4), Fire M250 Grenade<br>Launcher                         | ۵                |           | •                   |            |                |                   |                  |               |                       |     |                          |                              |          |                   |                          |      |               | ×          |          |
| 4. Fire SALVO 1   | ( <del>g</del> ) |           |                     |            |                |                   |                  |               |                       |     |                          |                              |          |                   |                          |      |               |            |          |
| b. life SALVO 2   | (P)              |           |                     |            |                |                   |                  |               |                       |     |                          |                              |          |                   |                          |      |               |            |          |
| c. Fire Both SALVOs                                       | <b>(9</b> )      |           |                     |            |                |                   |                  |               |                       |     |                          |                              |          |                   |                          |      |               |            |          |
| 44. Apply Immediate Action<br>to M250 Grenado<br>Launcher | v.               |           |                     | ×          |                |                   | ×                |               |                       | ×   | <b>:</b> :               |                              |          |                   |                          |      | ×             |            |          |
| a. Misfire  | 3                |           |                     | 3          |                |                   | (X)              | <del></del>   |                       | ×   | $\widetilde{\mathbf{x}}$ |                              |          |                   |                          |      |               |            |          |
| b. Fail to Burn/Burst                                     | 3                |           |                     | *          |                |                   | : <sub>(%)</sub> |               |                       | ×   | ×                        |                              |          |                   |                          |      |               |            |          |
| XIII. PREPARE WEAPONS FOR TRAVEL.                         | DFRNT            | ×         | 250                 | NO         | O.K.           | NA                | NA               | 00            | NO                    | NO  | ON                       | NO                           | NO.      | ES                | -                        | ×    | YES NO        |            | NO       |
| 45. Prepare Cal .50<br>MacLinegun For Travel              | £                |           |                     |            |                |                   |                  |               |                       |     |                          |                              |          |                   |                          |      | ×             |            |          |
| XIV. OPERATE GAS PARTICULATE FILTER SYSTEM                | SAME             | SK C      | Q.                  | 02         | 0 <del>.</del> | < x               | ٧N               | NO<br>NO      | O <sub>X</sub>        | ON  | ON<br>O                  | NO.                          | ON       | YES               | -                        | ×    | YES Y         | YES        | NO NO    |
| 46. Clear 6 Seal Protective<br>Mask (M25)                 | ß                |           |                     |            |                |                   |                  |               |                       |     |                          |                              |          | ×                 |                          | ×    |               |            |          |
| 47. Check Filter, Hose and Connections                    | v.               |           |                     |            |                |                   |                  |               |                       |     |                          |                              |          | ×                 |                          | ×    |               | ×          |          |
| 48. Check intercom Connec-                                | ν                |           |                     |            |                |                   |                  |               |                       |     |                          |                              |          |                   |                          |      |               |            |          |

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| XPI TASK LIST<br>(TANK COPPLANDER)   | 3.          | Scried<br>C 1 1 | DOST - NASTED AND THE PERSON OF THE PERSON O | PERFORM |     | PRUBLEM<br>TRATE ASSESS |     | CAUSE CAUSE | S A WOLL | SOLUTION<br>SPLECT TRAIN | -        | TRAINING MORE JOB TRNG | JOB TRNC | NG DTD | SK    | SKILL TRNG TRAINING SITE | G DELIV | AINING ST | SITE |   |
|--|-------------|-----------------|--|---------|-----|-------------------------|-----|-------------|----------|--------------------------|----------|------------------------|----------|--------|-------|--------------------------|---------|-----------|------|---|
| 1  |             | 1               |  |         |     |                         |     |             |          |                          |          | 1                      |          | _      |       |                          |         | 1         |      | 1 |
| 44. Chack seater Lamp Light  |             | v.              |  |         |     |                         |     |             |          |                          |          |                        |          | _      |       |                          |         | ×         |      |   |
| St. Adjust Heater Tempera-   |             | v,              |  |         |     |                         |     |             |          |                          |          |                        |          |        |       |                          |         | ;+t       |      |   |
| SI. Stow/Unstow Mass.  |             | 1.2             |  |         |     |                         |     |             |          |                          |          |                        |          |        |       |                          |         |           |      |   |
| XV. OPERATE FIRE EXTINGUISHERS   |             | DFRX1           | S. C.  | 93      | ON  | CN                      | X.  | NA          | ON       | NO                       | NO<br>NO | 0.0                    | N ON     | NO YES | r s   | ×                        | YES     | YES       | N    |   |
| 52, Operate External Fire<br>Extinguisher Handle   |             | vi              |  |         |     |                         |     |             |          |                          |          |                        |          |        |       |                          |         |           |      |   |
| 53. Operate Portable Fire<br>Extinguishers   |             | v               |  |         |     |                         |     |             |          |                          |          |                        |          |        |       |                          |         |           |      |   |
| 54. Check Pire Extinguisher<br>Pressure Cauges (Refer-<br>ence Ambient Tempera-<br>ture) | <del></del> | i.              |  |         |     |                         |     |             |          |                          |          |                        |          |        |       |                          |         | ×         |      |   |
| 55. Maintain Fire Sensor<br>Lemen  |             |                 |  |         |     |                         |     |             |          |                          |          |                        |          |        |       |                          |         | ×         |      |   |
| XVI. OFFFATE NICHT VISION CRALLES (AN/PVS-5)   | GLLES SAME  |                 | NO   | No.     | Š   | 2                       | × 2 | ×           | OK.      | ON.                      | NO OK    | NO NO                  | ON O     |        | YFS 1 | <i>ب</i>                 | NO.     | ON        | YES  |   |
| 5fi. Stor/finitor AN/PVS-5<br>Coeffee  | · 34        |                 |  |         |     |                         |     |             |          |                          |          |                        |          |        |       |                          |         |           |      |   |
| 57. Place AM/PVS-5 Coggles into the ration   | ,           |                 |  |         |     |                         |     |             |          |                          |          |                        |          |        | X 1   | *                        |         |           | ×    |   |
| 58. Maintain AN/PVS-5 Coggics  | KRICES      |                 |  |         |     |                         |     |             |          |                          |          |                        |          |        | ×     | <b>*</b>                 |         |           | ×    |   |
| XVII. PREPARE COMMANDER'S STATION<br>FOR ALTERNATH WEADON                                |             | MOUT            | ٧×   | V.      | YES | ON.                     | VES | OX          | 0 X      | CN                       | YES      | YES NO                 | ox o     |        | 1.5   | ×                        | 0x .    | YES       | YES  |   |
| 59, Install K240 Machinegun  | en X        |                 |  |         | ×   |                         | ~   |             |          |                          | ×        | 24                     |          |        | Ξ     | >                        |         | ××        | ×    |   |
| 60, islad M240 Machinegun  | -           | _               |  |         | ×   |                         | ×   |             |          |                          | ×        | <b>&gt;</b> :          |          |        | N 1   | <i>&gt;</i> -            |         |           | ×    |   |
| 61. Lire 2240 Machinegun   | 3           | _               |  |         | ×   |                         | ×   |             |          |                          | ×        | >:                     |          |        | X I   | <b>*</b>                 |         |           | ×    |   |
| 62. Remove M240 Machinepun   | er er       | _               |  |         | ×   |                         | ×   |             |          |                          | ×        | ×                      |          |        | N I   | *                        |         |           | ×    |   |
| XVIII. PERFORM "DURING" OPERATIONSDEAU   | ATIONSDEX   |                 | Ş.   | YES     | YES | ON                      | Č.  | YES         | 9,0      | S.                       | YES      | YES NO                 | YES      | S YES  | S 1   | >.                       | YES     | ON .      | CN   |   |
| <ol> <li>Check Cdr's Panel Bounting<br/>Lights, and Controls</li> </ol>                  | unt tag     | _               |  |         |     |                         |     |             |          |                          |          |                        |          |        |       |                          |         |           |      |   |

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| 4311 4314 644  |             | .70    | WOAT TACK                     | NO STATE OF |     | AWATVETE          |                       |               | TUNTATIVE    | 25          | CHIMINAT      | CAL      |        | TUL | 1::1%        | DF.1.1V | ATAI VERTICAL DELINERY DATA | 1        |
|--|-------------|--------|-------------------------------|---|-----|-------------------|-----------------------|---------------|--------------|-------------|---------------|----------|--------|-----|--------------|---------|-----------------------------|----------|
| Q  | 30:09:08-   | ENSK P | TASK PERFORM<br>EASTER HARBER | PROBLEM<br>TRAIN ASS  | 177 | CAUSE<br>NOTOR NE | CAUSE<br>NOTOR MENTAL | JOB<br>SAMPLE | SELECT TRAIN | TRA1N       | MORE JOB TRAC | JOB TRYC | TASK   | S T | TRIC<br>T/PE | TRAI    | TRAINING SITE               | TI MIT   |
| 64. Paritor Car's Panel Warn-<br>ing Lights          | i.          |        |                               | ×   |     |                   | >:                    |               |              | ×           | ×             | ×        |        |     |              |         |                             |          |
| 65, Check Operation of Cal .50                       | =           |        |                               |   |     |                   |                       |               |              |             |               |          | ×      | -   | ×            |         |                             |          |
| 1X. PERFORM "APTER" OPERATION PHCS (REPEAT TASKS #1) | DFRNT       | 20     | ON                            | YES   | ON  | Š                 | TES                   | ON.           | Č.           | 1 ES        | YES YES       | S. NO    | YES    | -   | ×            | YES     | YES                         | NO       |
| AX, POWER DAWS AND SECURE COM-<br>MANDER'S STATION   | DFFNT       | CN.    | NG<br>C                       | CN  | OX. | VN                | N.                    | 0;            | NO<br>NO     | %0<br>0     | N OK          | ON O     | YES    | 3   | ×            | YES     | YES                         | 000      |
| 66, Remove Cal , 50 Machine-<br>gun                  | £           | ×      |                               |   |     |                   |                       |               |              |             |               |          | ×      | ~   | >:           | ×       | ×                           |          |
| 67. Power Down CMS and Turret                        | ۵           |        |                               |   |     |                   |                       |               |              |             |               |          | p/ici  |     |              |         | ×                           |          |
| 68. Secure Station                                   | Ē           |        |                               |   |     |                   |                       |               |              |             |               |          | ×      | 3   | ×            | ×       | ×                           | NO       |
| a. Lock Cdr's Hatch                                  | <b>(</b> P) |        |                               |   |     |                   |                       |               |              |             |               |          |        |     |              |         |                             |          |
| b. Exit Tank   | •           |        |                               |   |     |                   |                       |               |              |             |               |          |        |     |              |         |                             |          |
| CANI. PERFORM PRE-FIRE PMCSs. (REPEAT TASKS #19, 30) | UNIQUE NO   | NO.    | YES                           | YES   | OK. | CN                | ž                     | ON            | ON.          | YES         | YES NO        | NO<br>NO | o<br>N | E.  | ٠٠           | ON ON   | YES                         | <b>.</b> |
| 69. Check Cal . 50 Nounting                          | ۵           |        |                               |   |     |                   |                       |               |              |             |               |          |        |     |              |         |                             |          |
| 70. Check Cal .50 Ammo Stowed<br>in Ready Box        | ۵           |        |                               |   |     |                   |                       |               |              |             |               |          |        |     |              |         |                             |          |
| XXII. PERFORM PREPARE TO PIRE                        | DFIENT      | CM.    | YES                           | YES   | OM  | NO                | YES                   | Pos           | ON           | YES         | YES NO        | YES      | TES    | М   | ×            | YES     | YES                         | 9        |
| 71. Prepare to Fire Main Cun<br>(7 Tasks)            |             |        |                               |   |     |                   |                       |               |              | ×           | ×             | ×        |        |     |              |         |                             |          |
| a. Normal  | 9           |        | <b>X</b>                      | <b>(x</b> )   |     |                   | ×                     | (2)           |              | <b>E</b>    | ( <b>x</b> )  |          |        |     |              |         |                             |          |
| b. Degraded  | 9           |        | (x)                           | (x)   |     |                   | 8                     | (3)           |              | <b>(x</b> ) | æ             | ×        |        |     |              |         |                             |          |
| 72. Prepare to Fire Coan<br>(6 Tanks)                | 6           |        | ×                             | ×   |     |                   | ×                     | 6.            |              | ×           | ×             | ×        |        |     |              |         |                             |          |
| a. Normal  | 9           |        | (x)                           | (x)   |     |                   | (x)                   | 3             |              |             |               |          |        |     |              |         |                             |          |
| b Degraded   | (g)         |        | (x)                           | (x)   |     |                   | (x)                   | ε             |              |             |               |          | =      |     |              |         |                             |          |

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|             | TOU TASK LIST  |          | 9%     | MON TASK |                | COMPARISON A | ANALYSIS              | 2   |          | TENTATIVE    | 1.72  | TRAIL       | TRAINING |             | TRAIN | NING D         | ELIVER | TRAINING DELIVERY DATA |    |
|-------------|--|----------|--------|----------|----------------|--------------|-----------------------|-----|----------|--------------|-------|-------------|----------|-------------|-------|----------------|--------|------------------------|----|
|             | (TANK COPTANDER)   | KITY     | L'STER |          | REDIEM PROBLEM | ASSICH       | CAUSE<br>NOTOR NENTAL |     | SAMPLE   | SELECT TRAIN | TKATH | 10 M        | JOB TRNG | TASK        | SKILL | TRUC<br>TYPE O | OSUT 1 | TRAINING SITE          |    |
| хх111.      | TARGET ACQUISITION   | DFRNT    | YES    | YES      | Yes            | NC<br>O      | č.                    | YES | P06      | O.           | ES    | YES NO      | ) YES    | NO          | ٣     | ٠,             | NO N   | X ES                   | ۴. |
| 73.         | Acquire Targets From Full<br>Open Batch Using Naked Eye                    | S        |        |          | ×              |              |                       | *   | ٠.       |              | ×     | ×           | ×        |             |       |                |        | ×                      |    |
| 74.         | Acquire Targets From Full<br>Open Match Lsing Minocu-<br>lats              | w        |        |          | ĸ              |              |                       | ×   | ٠.       |              | ×     | ×           | ×        |             |       |                |        |                        |    |
| i.          | Acquire largets from Pro-<br>tected Open (Popped)<br>Hatch Uning Kakad Lyc | ta       |        |          | ×              |              |                       | ×   | ۲.       |              | ×     | p••         | ×        |             |       |                |        |                        |    |
| 76.         | Acquire largets From<br>Eupped Satch Uning<br>Binoculars                   | <u>ب</u> |        |          | ×              |              |                       | ×   | ٠.       |              | ×     | :4          | ×        |             |       |                |        |                        |    |
| 77.         | Acquire largets from<br>Clussed Hatch Using Unity<br>Windows               | v        | ×      |          | *:             |              |                       | ×   | ٠.       |              | Þi    | ×           | ×        | <del></del> |       |                |        |                        |    |
|             | Acquire Targets From<br>Closed Batch Using CMSS                            | v.       |        |          | ×              |              |                       | ×   | ٠.       |              | ×     | ×           | ×        |             |       |                |        |                        |    |
| 79.         | Acquire Targets From<br>Closed Hatch Using<br>Binoculary                   | v,       | ×      |          | ×              |              |                       | ×   | ٠.       |              | ×     | ×           | ×        |             |       |                |        |                        |    |
| <b>8</b> 0. | Acquire Targets at Night<br>Uning Night Vision Coggles                     | ĸ        | ×      |          | ×              |              |                       | ×   | ٠.       |              | *     | ×           | ×        |             |       |                |        |                        |    |
| 81.         | Acquire Targets From Tur-<br>ret befilade                                  | s.       | ×      |          | ×              |              |                       | ×   | ٠.       |              | ×     | *           | ×        | · · · · · · |       |                |        |                        |    |
| 62.         | Acquire Targets From Hull<br>Defilade                                      | s        | ×      |          | ×              |              |                       | *   | ٠.       |              | ×     | »:          | ×        |             |       |                |        |                        |    |
| 83.         | Acquire Targets Miste<br>Stationary  | vs       | ×      |          | ×              |              |                       | ×   | <b>.</b> |              | >:    | <b>&gt;</b> | ×        |             |       |                |        | ×                      |    |
| 84.         | Acquire Targeta Walle<br>Moving  | ۵        |        | ×        | ×              |              |                       | ×   | ۲۰       |              | ×     | ×           | ×        |             |       |                |        | ×                      |    |
| XXIV.       | TARGET ENGALDENT HITH MAIN GAN (NOPMAL) (GPSE)                             | DFRNT    | YES    | YES      | YES            | <b>P</b> 0S  | YES                   | YES | YES      | 205          | YES   | YES NO      | o YES    | YES         | en .  | ×              | х ок   | YES ?                  | •  |
| <b>8</b> 5. | Extablish Weapon System<br>Operating Conditions for<br>NORMAL Syde         | £        |        |          |                |              |                       |     | ٠.       |              |       |             |          |             |       |                |        |                        |    |

|          | XHI TASK LIST<br>(TASK CONNASDER)                                       | MITY<br>ALITY | TASK PERFORM EAGIER HARDER | PROPLEY TRAIX ASSIGN | CHPARISON ANALYSIS PROPER CAIS TAIN ASSICUL INTOR H | MALYSIS<br>CAUSE<br>HOTOR HENTAL | SAPTE       | TENTATIVE<br>SOLUTION<br>SELECT TRAIN |   | TRAINTNG HONE JOB TR HO ALD DE | ×            | TRA<br>DTD SKILL<br>TASK LEVEL | TAINING<br>LL TING<br>EL TYPE | DELIV      | FEW DATA |
|----------|---|---------------|----------------------------|----------------------|---|----------------------------------|-------------|---------------------------------------|---|--------------------------------|--------------|--------------------------------|-------------------------------|------------|----------|
|          | a. Designate Oum Select<br>Node   | (2)           |                            |                      |   |                                  | 3           |                                       |   |                                |              |                                |                               |            |          |
|          | b. Designate Aumo Select<br>Hode  | 3             |                            |                      |   |                                  | (3)         |                                       |   |                                |              |                                |                               |            |          |
|          | c. Designate LEFD Hode  | 3             |                            | 3                    |   | 3                                | ε           |                                       |   |                                |              |                                |                               |            |          |
| ż        | Issue Nain Cum Precision<br>Fire Commands                               | ۵             |                            |                      |   |                                  | ٠.          |                                       |   |                                |              | ×                              | 2                             | ×          |          |
|          | Lay Noth Our Per Direction:   |               |                            |                      |   |                                  |             |                                       |   |                                |              |                                |                               |            |          |
|          | Stat/Stat   | u             | ×                          |                      |   |                                  |             |                                       |   |                                |              |                                |                               | ×          |          |
| <b>3</b> | Stat/Noving (Track)   | •             | ×                          | H                    | ×   |                                  | <b>p.</b> . | ••                                    | × | ×                              | ×            |                                |                               | ×          |          |
| :        | Howing/Stat (Track)   | 5             |                            | ×                    | <b>14</b>   |                                  | ۴.          | •-                                    | × | ×                              | ×            |                                |                               | ×          |          |
| š        | Noving/Noving (Track)   | 5             |                            | ×                    | ×   |                                  | -           | ••                                    | × | ×                              | ×            |                                |                               | ×          |          |
|          | Peride to Hend-Off Target<br>to Off of Sapage:                          |               |                            |                      |   |                                  |             |                                       |   |                                |              |                                |                               |            |          |
| ä        | Release Turret Castrol<br>(Override)                                    | •             |                            |                      |   |                                  | •           |                                       |   |                                |              |                                |                               | ×          |          |
| ä        | America "Pres by Position"  | •             |                            |                      |   |                                  | <b>6</b>    |                                       |   |                                |              |                                |                               |            |          |
|          | Lay On Largest To Be<br>Bagaged (CPSE):                                 |               |                            |                      |   |                                  |             |                                       |   |                                |              |                                |                               |            |          |
| ÷:       | Scat/Scat   | w             | ×                          |                      |   |                                  | -           |                                       |   |                                |              |                                |                               | ×          |          |
| ż        | Stat/Noving (Track)   | w             | ×                          | ×                    | K   |                                  | ٠.          | •-                                    | × | ×                              | ×            |                                |                               | ×          |          |
| 95.      | Noving/Stet (Track)   | >             |                            | H                    | ×   |                                  | ٠.          | •                                     | × | ×                              | ×            |                                |                               | ×          |          |
| ż        | Noving/Noving (Track)   | 2             |                            | ×                    | *   |                                  | ę.          | •-                                    | × | ×                              | ×            |                                |                               | ×          |          |
|          | Determine Range to Target<br>Using LRF/GPSE (Lase on<br>Center-of-Mass) | 5             |                            | ×                    | ×   |                                  | ••          |                                       | × | ×                              | ×            | e<br>H                         | H                             | <b>×</b> . |          |
| ž        | Verify Hein Com Piring<br>Status  | Þ             |                            | ×                    | <b>6.</b> '   | ×                                | •           | ••                                    | × | H                              | ×            |                                |                               | ×          |          |
|          | a. Chack/Respond to Nul-<br>tiple Return                                | 3             |                            | 3                    | ε   | 3                                | ε           | ε                                     | 3 | <b>(</b>                       | <del>=</del> |                                |                               |            |          |

|       | NOT TASK LIST  |              | 1      | MEGAL TASK |       | NI SOR   | AMALY STS |         |          | TENTATIVE    | +-          | TRAINING | ON COL |      | TRAINING | 17 | DELIVER DATA   | 4     |
|-------|--|--------------|--------|------------|-------|----------|-----------|---------|----------|--------------|-------------|----------|--------|------|----------|----|----------------|-------|
|       |  | ALITY RASIER | EASTER | RARBER     | TEALT | A\$\$102 | HOTOR     | TATE OF | 3        | SELECT TRAIN | 7           | HO ALD   | D DEV  | - 27 |          |    | SUT TRAIS UNIT | 11.00 |
|       | b. Check/Respond to Pault<br>Symbol  | 3            |        |            | 3     | 3        |           | 3       | ε        | 3            | <b>(X</b> ) | *        | £      |      |          |    |                |       |
| į     | Fire Main Com  | **           |        |            |       |          |           |         |          |              |             |          |        |      |          |    |                |       |
| 8     | Chapmed to Main Can<br>Mistire   | ۵            |        |            | ×     |          |           | ×       |          |              | ×           | ×        |        | ·    |          |    |                |       |
| 101.  | Downd Seaso (G75E):<br>Stat/Stat   | ٥            | ×      |            |       |          |           |         |          | •            |             |          | ···    |      |          | :  |                |       |
| 102.  | Stat/Moving (Track)  | ٥            | ×      |            | ×     |          |           | ×       | ٠.       |              | H           | ×        | ×      |      |          |    |                |       |
| 103.  | Noving/Stat (Track)  | 5            |        |            | ×     |          | ×         | ×       | ۴.       |              | ×           | ×        | ×      |      |          |    |                |       |
| 104.  | Noring/Noving (Track)  | 2            |        |            | ж     |          | ×         | ×       | ۴.       |              | ×           | ×        | ×      |      |          |    |                |       |
|       | Miunt Fire (CPSE):   |              |        |            |       |          |           |         |          |              |             |          |        |      |          |    |                |       |
| 105.  | Apply Re-Engage Nethod   | 5            |        |            | ×     |          | ×         | ×       |          |              | ×           | ×        | ×      |      |          |    |                |       |
| 106.  | Apply BOT  | 0/8          | w      | ລ          | ×     |          | ×         | ×       |          |              | H           | ×        | ×      |      |          |    |                |       |
| 107.  | Correct Range Uning<br>Taggle Switch   | <u>ت</u>     |        |            | ×     |          | ×         | ×       | ••       |              | ,<br>*      | ×        | ×      |      |          |    |                |       |
| 106,  | Apply Standard Range<br>Correction   | <b>8/</b> 0  | W      | Þ          | ×     |          | ×         | ×       |          |              | ×           | *        | ×      |      |          | •  |                |       |
| a a t | TANCET DICACOPEDITS WITH MAIN CUR (MORNAL/BRENCENCY) (TIS)                   | Prest        | 22     | ā          | 25    | 8        | Ä         | ZE ZE   | 80       | <b>904</b>   | TES         | res no   | TES    | 2    | 3        | NO | NO.            | 6.    |
|       | Lay On Target (TIS):   |              |        |            |       |          |           |         |          |              |             |          |        |      |          |    |                |       |
| 109.  | Stat/Stat  | 2            |        |            | ×     |          |           | ×       | ۴.       |              | ×           | ×        | ×      |      |          |    |                |       |
| 110.  | Stat/Noving (Track)  | Þ            |        |            | ×     | ٠.       | ×         | ×       | <b>F</b> | <b>6</b>     | H           | M        | ×      |      |          |    |                |       |
| #     | Befof Halt   | Þ            |        |            | ×     | •-       | ×         | ×       | ۴.       | •            | ×           | ×        | ×      |      |          |    |                |       |
| 1112. | Noving/Stat (Track)  | ם            |        |            | ×     | •-       | ×         | ×       | ٠.       | ٠.           | ×           | ×        | ×      |      |          |    |                |       |
| 113.  | Neving/Neving (Track)  | D            |        |            | ×     | •-       | ×         | ×       | ۴.       | ۴.           | ×           | ×        | ×      |      |          |    |                |       |
| 114.  | Determining Range to<br>Inrget Using LRF/TIS<br>(Lase on Canter-of-<br>Mass) | 5            |        |            | H     | ••       |           | ×       | ķ        | ••           | ×           | ×        | ×      | ×    | ×        |    |                |       |
|       |  |              |        |            |       |          |           |         | -        |              |             |          | -      | _    |          |    |                |       |

|      | THE LIST   |           | 3     | SOAL TASK           | COPPARTSON | TISON A       | ARALYSIS            |          |            | TENTATIVE    |    | TRAINI                       | 2           |                 | TRAIN    | TRAINING DELIVERY | IVERY DATA    | 4    |
|------|--|-----------|-------|---------------------|------------|---------------|---------------------|----------|------------|--------------|----|------------------------------|-------------|-----------------|----------|-------------------|---------------|------|
|      | (TANK COPIANDEN)   | DOSPICAL- | EASTE | ALITY EASTER HARDER | PROT       | LEN<br>ASSIGN | ASSICH POTOR NENTAL | ZETALL S | SAMPLE     | SELECT TRAIN |    | HC RE JOB TRNC<br>HO ALD DEV | TRNC        | DTD S<br>TASK L | SKILL TI | TRNG TRAI         | TRAINING SITE | TIKI |
|      | Round Sense (TIS):   |           |       |                     |            |               |                     |          |            |              |    |                              |             |                 |          |                   |               |      |
| 115. | . Stat/Stat  | 2         |       |                     | ×          |               |                     | ×        |            |              | ×  | ×                            | ×           |                 |          |                   |               |      |
| 116. | . Stat/Hoving  | 5         |       |                     | ×          | 6-1           | ×                   | ×        | •-         | ۴.           | ×  | ×                            | ×           |                 |          |                   |               |      |
| 117. | . Brief Rale   | Þ         |       |                     | ×          | <b>.</b> .    |                     | ×        | •-         | •            | ×  | ×                            | ×           |                 |          |                   |               |      |
| 114. | . Noving/Stat  | 5         |       |                     | ×          | •             | ×                   | ×        | <b>.</b> . | ٠-           | ×  | ×                            | ×           |                 |          |                   |               |      |
| 114. | . Noving/Noving  | 5         |       |                     | ×          | •             | ×                   | ×        | ~          | ٠.           | ×  | ×                            | ×           |                 |          |                   |               |      |
|      | Adjust Pire (TIS):   |           |       |                     |            |               |                     |          |            |              |    |                              |             |                 |          |                   |               |      |
| 130. | . Apply to-Engage Mathes   | >         |       | •                   | ×          | •-            | ×                   | ×        | ~          | •            | ×  | ×                            | ×           |                 |          |                   |               |      |
| 121  | . 4693y BOT  | Þ         |       |                     | ×          | ••            | ×                   | ×        | •          | ~-           | ×  | ×                            | ×           |                 |          |                   |               |      |
| 122  | . Oerrer hage Using<br>Taggle Selich                                 | Þ         |       |                     | ×          | •-            | ×                   | H        | <b>6-</b>  | •            | ×  | ×                            | ×           |                 |          |                   |               |      |
| 123. | . Apply Remained Sange<br>Correction                                 | <b>5</b>  |       |                     | ×          | •-            | ×                   | H        | ••         | •-           | ×  | ×                            | ×           |                 |          |                   |               |      |
|      | XXVI. TARGET ENCACEMENTS WITH MAIN (300 (DEROCHOT) ( CPSE)           | Tion a    | ħ     | ħ                   | ħ          | ğ             | ħ                   | ħ        | ĕ          | 2            | 25 | NES NO                       | TES         | <u>S</u>        | 6        | £                 | E             | ••   |
| 124. | Gecabileh Magen System<br>Operating Conditions<br>For MERICHET, Hade | •         |       |                     |            |               |                     |          | •-         |              |    |                              |             |                 |          |                   |               |      |
|      | 4. Designate Om Select<br>Node                                       | 3         |       |                     |            |               |                     |          | ε          |              |    |                              |             |                 |          |                   |               |      |
|      | b. Designate Asso Select<br>Node                                     | 3         |       |                     |            |               |                     |          | ε          |              |    |                              | <del></del> |                 |          |                   |               |      |
|      | c. Designate LAFO Hade   | 3         |       |                     | 3          | 3             |                     | 3        | ε          | ε            | 3  | <b>(X)</b>                   |             |                 |          |                   |               |      |
|      | Leve the san Per<br>Direction:                                       |           |       |                     |            |               |                     |          |            |              |    |                              | <del></del> |                 |          |                   |               |      |
| 125. | 5. Beac/Stat   | •         |       |                     |            |               |                     |          |            |              |    |                              |             |                 |          |                   |               |      |
| 75   | 6. Scac/Maring   | •         |       |                     | M          | ••            | ×                   |          |            | ••           | ×  | ,<br>M                       | H           |                 |          |                   |               |      |
| 127. | 7. Brief Balt  | 2         |       | b                   | H          | ••            | H                   |          |            | ••           | H  | H                            | H           |                 |          |                   |               |      |
|      |  | •         |       |                     |            |               |                     |          | -          |              |    |                              | -           | _               |          |                   |               |      |

|           | TALL TACK 1767   |         | 1          | OAT TACK | MADAGON |    | AWATVEYE              |       |               | TENTATTUE    | -        | TPATNING | TWG |           | TRAT | TRATHTMC DELIVERY | FLIVE         | M DATA                               | ٢  |
|-----------|--|---------|------------|----------|---------|----|-----------------------|-------|---------------|--------------|----------|----------|-----|-----------|------|-------------------|---------------|--------------------------------------|----|
|           | 2  | ALTTY   | TASK PERFO | E a      | PRO     |    | CAUSE<br>MOTOR MENTAL | ENTAL | JOS<br>SAMPLE | SELECT TRAIN |          | HORE JOB | S S | DTD       | SK   | TYPE              | TRAIN<br>OSUT | TRAINING SITE<br>OSUT   TRANS   UNIT | TE |
|           | Lay On Target:   | ٠       |            |          |         |    |                       |       |               |              |          |          |     | /m. 3     |      |                   |               |                                      |    |
| 128.      | Stat/Stat  |         | ×          |          |         |    |                       |       |               | · I          |          |          |     | ,         | . 1  |                   |               |                                      |    |
| 129.      | Stat/Hoving  | w       | ×          |          | ×       | •- | ×                     | ×     |               | ٠.           | ×        | ×        | ×   |           | 1    |                   |               |                                      |    |
| 130.      | Brief Helt   | a/s     |            | ם        | ×       | •  | ×                     |       |               | ••           | ×        | ×        | ×   |           |      |                   |               |                                      |    |
| 131.      | Apply Menuel Leads   | •       |            |          | ×       | •• | ×                     | ×     | ٠.            | •            | ×        | ×        | ×   |           |      |                   |               | ×                                    |    |
| XXVII. TA | XXVII. TARGET ENCACEMENT WITH<br>MAIN CON (MANUAL)                 | Series  | ST         | YES      | Z       | ğ  | 23                    | 9     | 502           | SO4          | YES 1    | YES NO   | YES | Q.        | m    | <b>6.</b>         | NO            | YES ?                                |    |
| 132.      | Establish Weapon System<br>Operating Conditions<br>For MANUAL Node | ۵       |            |          |         |    |                       |       | •             |              |          |          |     |           |      |                   |               |                                      |    |
|           | a. Designate Sun Select<br>Mode                                    | 9       |            |          |         |    |                       |       | ε             |              |          |          |     |           |      |                   |               |                                      |    |
|           | b. Lesignate Anno Solect<br>Node                                   | 9       |            |          |         |    |                       |       | ε             |              |          |          |     |           |      |                   |               |                                      |    |
|           | Lay Main Con Por   |         |            |          |         |    |                       |       |               |              |          |          |     |           |      |                   |               |                                      |    |
| ន         | Biract Gumber Onto   | 9/8     | •          | 5        |         |    |                       |       |               |              |          |          |     | . •       |      |                   |               |                                      |    |
| . K.      | Est inste/Assounce<br>Direction                                    | D/8     | •          | 5        | ×       | •  |                       | ×     | ۴-            | ••           | <b>k</b> | ×        | ×   |           |      |                   |               | ×                                    |    |
| MAIL DE   | XXVIII. ENGAGE TANGETS USING BAT-<br>TLESIGAT GUNNERY (CPSE)       | Lane of | 2          | 2        | 725     | 2  | TES                   | ā     | 502           | PUS          | TES      | TES NO   | TES | 2         | m    |                   | NO N          | TES 7                                |    |
| 115.      | Same Battlesight Fire Command                                      | 3/6     | W          | D        |         |    |                       |       |               |              |          |          |     | ×         | n    | и                 |               | ×                                    |    |
| 136.      | Depress Battlesight<br>Button                                      | D       |            |          |         |    |                       |       |               |              |          |          |     |           |      |                   |               | ×                                    |    |
| 137.      | Apply Battlesight Cun-<br>nery Technique                           | a/s     | w          | a        | ×       | ٠. | ×                     | ×     | ۴.            | <b>6</b> -   | ×        | ×        | ×   | <u></u> _ |      |                   |               |                                      |    |
| 138.      | Modify Battlesight Aim   | n/s     | s          | a        | ×       | •• | ×                     | ×     | ٠.            | ٠٠           | ×        | ×        | ×   |           |      |                   |               |                                      |    |
|           | Adjust Fire:   | ,       |            |          |         |    |                       |       |               |              |          |          |     |           |      |                   |               |                                      |    |
| 134.      | Apply Target form  | .1/8    | ß          | ۲.       | ×       | ۴٠ | ×                     | ×     | ۲٠            | •            | ×        | ×        | ×   |           |      |                   |               |                                      |    |
| 14.3      | loggle Range Correction  | a       |            |          | ×       | ۲۰ | ×                     | ×     | <u>.</u>      | <b>6</b> .   | ×        | ×        | ×   |           |      |                   |               |                                      |    |

|          | ***************************************              |         | 3         | 200.              | COMPANY COM          |          | AWATWETE              |            |             | TEMPARTUE    |             | TRATHERE     | 280     |                | TEATHT   | TRAINING DELIVERY | VERY DATA                        | 5  |
|----------|--|---------|-----------|-------------------|----------------------|----------|-----------------------|------------|-------------|--------------|-------------|--------------|---------|----------------|----------|-------------------|----------------------------------|----|
|          | (TAME COPERAIDER)                                    | -MODAC  | EASTER IL | PREDENT<br>NARDER | OI V                 | · TET    | CAUSE<br>NOTOR NEWTAL | CHTAL      | SAPTE       | SELECT TRAIN | <del></del> | SOT DION     | B TRUKG | TASK           | SKILL TR | TING IN           | TRAINING SITE<br>OSUT TRANS UNIT | TL |
| XIX.     | ENGAGE TARGETS USING RANCE CARD DATA                 | Prior   | £         | 2                 | <u>Q</u>             | <u>8</u> | <u> </u>              | <u> </u>   | 80          | £            | YES         | YES NO       | YES     | 9              | m        | ON .              | 8                                | ٠. |
| 7.       | 141. Prepare Range Cards                             | B       |           |                   |                      |          |                       |            | ۴.          |              |             |              |         | ×              | 6        | 7                 |                                  |    |
| 142.     | 2. Issue Range Card Fire command                     | Α       |           |                   | ×                    |          |                       | ×          | ٠,          |              | ×           | ×            | ×       | ×              |          | 2                 |                                  |    |
| ;<br>2   | CONTROL SYSTEM FAILURES                              | 1300    |           | 92<br>121<br>*/** | SES                  | POS      | c<br>X                | YES        | Pers.       | POS          | YES         | YES YES      | S YES   | O <sub>X</sub> | m        | ON ¿              | YES                              | ·- |
|          | 1 Respond to CPSE Frilure                            |         |           |                   |                      |          |                       |            | <del></del> |              | ×           | ×            | ×       |                |          |                   |                                  |    |
|          | ** 'we TISE?)  | 3       |           |                   |                      |          |                       |            |             |              | (x)         | (x)          | (x)     |                |          |                   |                                  |    |
| <u>;</u> | ** bespond to (13(F)                                 | ,       |           |                   |                      |          |                       |            |             |              | ×           | ×            | ×       |                |          |                   |                                  |    |
|          | A. Use CPSE  | (2)     |           |                   |                      |          |                       |            |             |              | <b>(x)</b>  | (x)          | æ       |                |          |                   |                                  |    |
|          | ids. Respond to laser Panger<br>Inder Fallure        | <u></u> |           |                   | ×                    | ٠.       | <b>&gt;</b> :         | ×          | ٠.          | ٠.           | ×           | ×            | ×       |                |          |                   | Þ¢                               |    |
| 1. 13    | a. Determine Range<br>Using Non-Ballistic<br>Reticle | (n/n)   | <b>3</b>  | (9)               | ŝ                    | 3        |                       | æ          | 3           | 3            | ×           | (x)          | (x)     |                |          |                   |                                  |    |
|          | b. Estimate Mange and<br>Announce                    | (n/s)   | •         | (9)               | <b>x</b>             | (3)      |                       | (¥)        | ε           | Ξ            | *           | ( <b>x</b> ) | ×       |                |          |                   |                                  |    |
|          | c. Estimate Range and<br>Toggle                      | 3       |           |                   | <b>(</b>             | 3        | ×                     | æ          | ε           | €            | 8           | æ            | *       |                |          |                   |                                  |    |
|          | d. Employ Battlesight<br>Cunnery                     | 3       | 3         | 3                 | 8                    | Ê        |                       | <b>(X</b>  | ε           | ŝ            | æ           | 8            | ×       |                |          |                   |                                  |    |
| 71       | 146. Pespond To Crosswind<br>Sensor Failure          | ప       |           |                   | ×                    | 7.1      |                       | ×          | ٠.          | 6.           | ×           | ×            | ×       |                |          |                   |                                  |    |
|          | a. Cancel Grosswind<br>Input                         | 9       |           |                   | Ê                    |          |                       | <b>(X)</b> | ε           |              | 3           | æ            | ×       |                |          |                   |                                  |    |
|          | b. Aim High/Opposite<br>Direction                    | (n/s)   | 3         | 3                 | 8                    | 3        |                       | æ          | ε           | 3            | <b>X</b>    | æ            | æ       |                |          |                   |                                  |    |
| 71       | 147. Respond to Cant Sensor<br>Pailure               | 5       |           |                   | ×                    | ۴.       |                       | ×          | ۴.          | 6.           | ×           | ×            | ×       |                |          |                   |                                  |    |
|          | A. Cancel Cant Input                                 | 3       |           |                   | Œ                    |          |                       | ×          | ε           |              | *           | <b>*</b>     | 8       |                |          |                   |                                  |    |
|          | 5. Apply Aim-Off                                     | (n/e)   | 3         | 3                 | $\tilde{\mathbf{x}}$ | ε        |                       | *          | ε           | <u>(1</u>    | 8           | æ            | 8       |                |          |                   |                                  |    |

| DOI TASK LIST  | L         | ¥      | OAL TAS             |     | COMPARISON . | AKALYSIS          | 80                  |      | TEMTATIVE                | 37          | TRAI     | TRAINING |         | -          | TRAINING DELIVERY DATA | IG DEL  | IVERT         | DATA       | [   |
|--|-----------|--------|---------------------|-----|--------------|-------------------|---------------------|------|--------------------------|-------------|----------|----------|---------|------------|------------------------|---------|---------------|------------|-----|
| (TAM COPIAIDER)  | ALITY     | LASK I | ALITY EASTER HARDER |     |              | CAUSE<br>HOTOR NE | ASSIGN HOTOR NENTAL | JOB  | SOLUTION<br>SELECT TRAIN | ~~          | HOPE J   | JOB TRNG | to DTD  | SK         | LL TRNG                | PE OSUT | TRAINING SITE | TRANS UNIT |     |
| 148. Respond to Lead Angle<br>Sensor Failure   | a         |        |                     | ×   | •••          |                   | ×                   | ٠.   | ۴۰.                      | ×           | ×        | ×        |         |            |                        |         |               |            |     |
| a. Cancal Lead Angle<br>Input  | 3         |        |                     | *   |              |                   | 8                   | (2)  |                          | (x)         | (×       |          |         |            |                        |         |               |            |     |
| t. Apply Manual Lead   | (n/n)     | (8)    | (n)                 | (x) | (3)          |                   | 3                   | (3)  | (3)                      | ×           | (X)      | (¥)      | <u></u> |            |                        |         |               |            |     |
| 149. Respond to Combined Failures  | 5         |        |                     | ×   | ۴۰.          |                   | ×                   | ٠.   | ٠.                       | >:          | ×        | ×        |         |            |                        |         |               |            |     |
| XXXI. TAMBET ENCACEMENTS WITH CARY (MORTAL/EMER) (GRSE)                              | DF70X Ţ   | YES    | Ä                   | YES | NO<br>ON     | YES               | YES                 | Pros | 980                      | ;;;<br>>:   | 0)<br>2: | NO YES   | S YES   | e,         | >-                     | ON      | NO<br>N       | YES        | *** |
| 150. Treue Coax Fire Command   | e:        |        |                     |     |              |                   |                     |      |                          |             |          |          | ×       | 3          | 2                      |         |               |            |     |
| 151, objects from Range to Coax<br>Lorgets Using IRF/Groff<br>Clare on Target Ballet | :         |        |                     | ×   |              | *                 | *                   |      |                          | <b>&gt;</b> | ×        | ×        | >:      | ٣          | *                      | ×       |               |            |     |
|  |           |        |                     |     |              |                   |                     |      |                          |             |          |          |         |            |                        |         |               |            |     |
| 15 Tre Coax In 20-25<br>Cand Legits  | v.        |        |                     |     |              |                   |                     |      |                          |             |          |          |         |            |                        |         |               |            |     |
| 15%, Adjust Coax Fire (CTSE)   | vs.       |        |                     | ×   |              | ×                 | ×                   | •.   |                          | ×           | ×        | ×        |         |            |                        |         |               |            |     |
| s. Apply a Walk-in<br>Technique (Moving)   | (n/s)     | (a)    | Ę                   | (x) |              | (x)               | (X)                 | (3)  |                          | 3           | (×)      | ×        |         |            |                        |         |               |            |     |
| Appiy 2-Pattern (Moving)   | (n/s)     | (2)    | (a)                 | (x) |              | 3                 | (×)                 | (3)  |                          | 8           | 8        | (X       |         |            |                        |         |               |            |     |
| COXII, TABLET ENCACEMENTS WITH COMMANDER (NORMAL/ENER) (TIS)                         | 3. NO INC | 5      | ××                  | YES | NO           | YFS               | YES                 | Pos  | 08.                      | YES         | YES      | NO YES   | S       | 3          | <b>&gt;</b> -          | ON<br>O | NO.           | YES        |     |
| 154. Determine Range to Target<br>Using LRF/TIS (Lase on<br>Target Dase)             | :.        |        |                     | ×   |              | ×                 | ×                   | ••   |                          | ×           | ×        | ×        |         | <b>6</b> 0 | ×                      | ×       |               |            |     |
| 15%. Adjust Coax Fire (TIS)  | c         | 5-t    |                     | >1  |              | ×                 | ×                   | ٠.   |                          | *           | ×        | ×        |         |            |                        |         |               |            |     |
| 1. Apply a Walk-in<br>Technique  | 9         | (x)    |                     |     |              |                   |                     |      |                          | (x)         | ×        | (x)      |         |            |                        |         |               |            |     |
| b. Apply Z-Pattern   | (p)       | ŝ      |                     |     |              |                   |                     |      |                          | (x)         | (x)      | (x)      |         |            |                        |         |               |            |     |

| TEMPATIVE TEATHING TEATHING DELIVERY DATA | ¥ =  | FOS YES YES NO YES YES NO NO                      |                     |                                    | ×                               |                  | × × ×  | ; | × ×                    |   | ×         | ×           | ×           | K X           | ×  | ×   | (x) (x) (x)                     | (x) (x) (x)        | (x) (x) (x)            |
|---|--|---|---------------------|------------------------------------|---------------------------------|------------------|--|---|------------------------|---|-----------|-------------|-------------|---------------|--|---|---------------------------------|--------------------|------------------------|
|   |  | YES   |                     |                                    | Ν.                              |                  | ٠.   |   | <b>.</b> .             |   | <b>p</b>  | <b>6</b>    |             |               | ••   | ٠,  | ε                               | ε                  | 3                      |
| AMATWETE                                  | HORN PROFES TOTAL CAUSE JOB HORDER TENTAL GAMELE | ·.  |                     |                                    | J                               |                  | ×  | ; | ×                      |   | J         | ×           | ×           | ×             |  | ×   | (E)                             | <b>(X)</b>         | (2)                    |
|   | OH NO.155  | POS YES   |                     |                                    | ×                               |                  |  | , | ••                     |   | <b>X</b>  | <b>K</b>    | ×           | <b>K</b>      | ×  | *   | 3                               | (X)                | (2)                    |
| TOTO TOTO A                               | PROPLEM<br>R THATE AS                            | YES   |                     |                                    | ×                               |                  | ×  | ; | ×                      |   | ×         | ×           | ×           | ×             | ×  | ×   | *                               | æ                  | 1                      |
| MAN PAG                                   | FOR HARDER T                                     | YES   |                     |                                    |                                 |                  |  |   |                        |   |           |             |             |               |  |   |                                 |                    |                        |
|   | TY EASTER  | 2   |                     |                                    |                                 |                  |  |   |                        |   |           |             |             |               |  |   | _                               |                    |                        |
|   | ALLTY  | Derest  |                     | <b>"</b>                           | 5                               |                  | 5  |   | w                      |   | a         | Þ           | פ           | ٥             | _  | ຍ   | <u> </u>                        | 3                  | 3                      |
| 201 2010                                  | (TANK COPANDER)                                  | XXIII. TANCET ENCACIDENTS VITH<br>CAL .50 (NOBML) | Traverse to Target: | Fower Traverse Durret<br>To Target | Power Traverse GMS To<br>Target | Range On Target: | Range To Cal .50 Tar-<br>gete Ueing LRFD (Lase<br>on Base of Target) |   | Estimate Range to Cal. | Lay On Target Using GAS<br>Power/Menual Controls: | Stat/Stat | Stat/Noving | Noving/Stat | Noving/Noving | Fire Cal .50 Using<br>Manual Elevation Con-<br>trol Handle Trigger | Adjust Cal .50 Fire Using Power/Manual Controls | a. Apply Walk-In Tech-<br>nique | b. Apply 2-Pattern | the fact of the second |
|   |  | DOLLE. T.   |                     | 156.                               | 157.                            |                  | 158.   | · | 135                    |   | 3         | 161.        | 162.        | 163.          | 3  | 165.  |                                 |                    |                        |

| XMI TASK LIST   |          | ž        | OAL TAS             |           | COMPARISON A | ANALYSIS          | S                     |               | TENTATIVE    | 3/1            | TR                     | TRAINING                    |      | TR | INING                    |     | TRAINING DELIVERY DATA | ATA  | П   |
|---|----------|----------|---------------------|-----------|--------------|-------------------|-----------------------|---------------|--------------|----------------|------------------------|-----------------------------|------|----|--------------------------|-----|------------------------|------|-----|
| (TANK COPLANDER)  | ALITY    | TASK P   | ALITY EASIER HARDER | TRAIN ASS | S            | CAUSE<br>HOTOR HE | CAUSE<br>HOTOR MENTAL | JOB<br>SAMPLE | SELECT TRAIN | RAIN           | FOR SE                 | HORE JOB TRNG<br>HO AID DEV | TASK |    | SKILL TRNG<br>LEVEL TYPE |     | SUT TRANS UNIT         | SITE | TEI |
| XXXVII. TROUBLESHOOT TURRET                                     | DFROIT   | OM<br>OM | YES                 | YES       | POS          | S.                | YES                   | P'56          | POS          | YES            | YES                    | YES NO                      | res  | 1  | ×                        | YES | N <sub>O</sub>         | 6+   |     |
| 178, Troubleshoot TC Indica-<br>tor/Marning Lights<br>(7 Tasko) | ¢;       |          | ×                   | ×         | ••           |                   | *                     | ••            | ٠.           | ×              | ×                      | ×                           | ×    | ā  | ×                        |     |                        |      |     |
| u. Cdr's CKT BKR Light<br>Fails:                                | (n)      |          |                     | æ         |              |                   | (x)                   | ,             |              | ×              | <b>(£)</b>             | (x)                         |      |    |                          |     |                        |      |     |
| b. CKT BKR Open Light   | 9        |          |                     | ×         |              |                   | 3                     |               |              | ×              | ×                      | <b>(x)</b>                  |      |    |                          |     |                        |      |     |
| c. Fire Control MALF<br>Light                                   | ટે       |          |                     | 3         |              |                   | (X)                   |               |              | (x)            | $\widehat{\mathbf{x}}$ | (x)                         | 7    |    |                          |     |                        |      |     |
| d. Cdr's LOW BAT Old<br>Light                                   | ઉ        |          |                     | (×        |              |                   | <b>(</b> *            |               |              | ×              | E                      | æ                           |      |    |                          |     |                        |      |     |
| e. Vehicle Master Power<br>Light Fails                          | (P)      |          |                     | (x)       |              |                   | €                     |               |              | ×              | $\mathfrak{S}$         | (×)                         |      |    |                          |     |                        |      |     |
| f. Turret Power Light<br>Fails                                  | Ð        |          |                     | ×         |              |                   | ×                     |               |              | $\mathfrak{S}$ | Œ                      | (×)                         |      |    |                          |     |                        |      |     |
| g. Aux Hydr Power Light<br>Pails                                | 3        |          |                     | (x)       |              |                   | 3                     |               |              | €              | æ                      | (×)                         |      |    |                          |     |                        |      |     |
| 179. Troubleshoot fire Control fysics (5 Tasks)                 | ۵        |          | ×                   | ×         | ۴۰           |                   | ×                     | ٠٠            | ٠.           | ×              | ×                      | ×                           | ×    | -  | ×                        | ×   |                        |      |     |
| a. Shanle to Power<br>Traverse                                  | 9        |          | (x)                 | ×         |              |                   | <b>E</b>              |               |              | ×              | $\mathfrak{Z}$         | ( <b>x</b> )                |      |    |                          |     |                        |      |     |
| b, Unable to Power<br>Elevate                                   | €        |          | <b>(X)</b>          | <b>x</b>  |              |                   | (X)                   |               |              | (x)            | <b>E</b>               | <b>×</b>                    |      |    |                          |     |                        |      |     |
| c. Unable to Fire Main<br>Gun                                   | 9        |          | (X)                 | ×         |              |                   | æ                     |               |              | (x)            | <b>(X</b>              | (×)                         |      |    |                          |     |                        |      |     |
| d. Unable to Power<br>Traverse GAS                              | 3        |          | 8                   | ×         |              |                   | <b>x</b>              |               |              | (x)            | ×                      | ( <b>x</b> )                |      |    |                          |     |                        |      |     |
| e. Unable to Lase   | 3        |          |                     | Œ         |              |                   | (x)                   |               |              | ×              | 9                      | (x)                         |      |    |                          |     |                        |      |     |
| 180. Troubleshoot Cal.50<br>Machinegun                          | ۵        |          |                     | ×         | <b>6.</b>    |                   | ×                     | ٠.            | ۲.           | ×              | ×                      | ×                           |      |    |                          |     |                        |      |     |
| a. Unable to fire<br>Cal .50                                    | <u>@</u> |          |                     | ×         |              |                   | ( <del>X</del>        |               |              | ×              | 3                      | æ                           |      |    |                          |     |                        |      |     |

|           | ***************************************   |         | 777    | 1900     | A GRAND     | STON THE PROPERTY AND ASSES   | MATVETE |             |     | TON LATER VE             | 1                        | TOA       | TRATMING      |       | TPATN      | TNC DP     | TRAINING DELIVERY | DATA | Γ |
|-----------|---|---------|--------|----------|-------------|---|---------|-------------|-----|--------------------------|--------------------------|-----------|---------------|-------|------------|------------|-------------------|------|---|
|           | 2   | - ionio | TASK   | ERFORM   | OH A        | DANAM - TASK PERIOR PROBLEM CAUSE JOB AND MANUAL PROBLEM PROBLEM CAUSE JOB AND MANUAL PROBLEM | Z CAUS  | SENTAL      | 306 | SOLUTION<br>SELECT TEATS | 7                        | E C       | HORE JOB TRNG | DTD   | SKILL TRNG | تنا        | TRAIMING          |      |   |
| 181       | Tranklasions Auvil (are   | 2       | 2.015. | IIIARDER | ×           |   | TO LOR  | X           | ,   | 2                        | ×                        | -         | ×             |       |            |            |                   |      | 1 |
|           | Systems (2 Tasks)   | •       |        |          | 4           |   |         | •           | •   |                          |                          |           | •             |       |            |            | ì                 |      |   |
|           | a. Cdr's Gas Particulate<br>Heater Falls to Heat                                | 3       |        |          | 8           |   |         | æ           |     |                          | <b>x</b>                 | <b>E</b>  | ( <b>x</b> )  |       |            | •          | 3                 |      |   |
|           | b. N250 Grenades Do Not<br>Fire   | €       |        |          | <b>(x</b> ) |   |         | <b>E</b>    |     |                          | <b>X</b>                 | <b>(X</b> | æ             |       |            |            |                   |      |   |
| 182.      | Troubleshoot Tank Elec-<br>trical System  | ۵       |        | ×        | *           | ٠.  |         | ×           | ٠٠  | 8.                       | ×                        | ×         | ×             |       |            |            |                   |      |   |
|           | a. No Vehicle Master<br>Power   | 3       |        | <b>×</b> | *           |   |         | æ           |     |                          | (×)                      | Š         | ( <b>x</b> )  |       |            |            |                   |      |   |
|           | 5. No Hull Power  | (p)     |        | 3        | <b>E</b>    |   |         | <b>(</b> X) |     |                          | *                        | <b>E</b>  | (x)           |       |            |            |                   |      |   |
|           | c. No Durret Power  | (P)     |        | (x)      | (x)         |   |         | (x)         |     |                          | $\widetilde{\mathbf{x}}$ | (x)       | (x)           | W. D. |            |            |                   |      |   |
| XXXVIII.P | XXXVIII. PERFORM DURING-FIRE PMCS (REPEAT TASKS #4, 183)                        | DFRUT   | Ŷ.     | YFX      | YES         | CX  | ON      | YES         | POS | ON                       | YES                      | YES       | YES NO        | YES   | -          | <b>х</b> 2 | YES NO            | ON   |   |
| 1-18      | PERFORM POST-PIME PMCS<br>(MEPEAT TASKS #14, 15, 16,<br>20, 23, 24, 27, 28, 29, | DPROVI  | NO     | YES      | YES         | ON  | S.      | YES         | Pos | CN                       | YES                      | YES       | AZS NO        | YES   | es.        | <b>*</b>   | YES YES           | ON . | _ |
|           | 55)<br>Field Strip Cal , 50 and<br>Check Parts                                  | c       |        |          | ×           |   |         | ×           |     |                          | ×                        | ×         |               |       |            |            | ×                 |      |   |
| 184.      | 184. Clean and Labricate  | s       |        |          |             |   |         |             |     |                          |                          |           |               |       |            | •          | ×                 |      |   |
| u .xxx    | LUBRICATE YMI ACCORDING TO<br>LUBRICATION ORDER (1.0)                           | DFROT   | នរ     | YFS      | YES         | Č.  | YES     | YES         | NC  | Š.                       | YES                      | YES       | YES NO        | YES   | H          | <b>*</b>   | YES NO            | NO   |   |

autical belong the person of the desired to

2 6 7

TABLE II

XM1 TASK LIST

(GUNNER)

| ***************************************                                    |        |          |                            |           |               |                   |                       |               |                          |          |                    |          |     |     |      |      |               | [        |
|--|--------|----------|----------------------------|-----------|---------------|-------------------|-----------------------|---------------|--------------------------|----------|--------------------|----------|-----|-----|------|------|---------------|----------|
| (CUMPLE)   | ALITY  | TASK P   | TASK PERFORM EASTER HARDER | 1 1 1 1   | LEH<br>ASSIGN | CAUSE<br>POTOR NE | CAUSE<br>HOTOR HENTAL | JOB<br>SAMPLE | SOLUTION<br>SELECT TRAIN | 4        | HORE JOB<br>HO AID | JOB TRNG | DTD | L S | TYPE | TICA | TRAINING SITE | 1111     |
| 1. PEPORY SEPORE OPERATIONS<br>PICS (EXTERIOR)                             | DFRET  | <b>Q</b> | YES                        | YES       | Q <b>X</b>    | NO                | YES                   | ON            | 0 <u>N</u>               | YES      | YES                | YES NO   | YES | 1   | ×    | YES  | YES           | NO<br>NO |
| 1. Check Vehicle Exterior  | A      |          | ×                          | ×         |               |                   | ×                     |               |                          | ×        | ×                  | ×        |     |     |      | ×    | ×             |          |
| 2. Check Spenson Equipment<br>Stowage For Completeness                     | a      |          | ×                          | ×         |               |                   | ×                     |               |                          | ×        | ×                  | ×        |     |     |      |      | ×             |          |
| 3. Check/Clean Exterior Optics   | ٥      |          |                            |           |               |                   |                       |               |                          |          |                    |          |     |     |      | ×    | ×             |          |
| .11. PREPARE CURIER STATION FOR OPERATION (11 TREE VII) (1ASES #4 thru 43) | DFRICT | <u>S</u> | YES                        | YES       | ON            | ON:               | YES                   | ON            | ON.                      | YES      | YES                | YES YES  | YES | -   | ×    | YES  | YES *         | NO       |
| 4. Enter Canner's (CHR) Sta-   | v      |          |                            |           |               |                   |                       | *********     |                          |          |                    |          |     |     |      | ×    | ×             |          |
| 5, Power-Up GYR Station  | ۵      |          | ×                          | ×         |               |                   | ×                     |               |                          | ×        | ×                  | ×        |     |     |      | ×    | ×             |          |
| a. Mater Power Switch  | 3      |          |                            | 8         |               |                   | 3                     |               |                          | <b>X</b> | æ                  | ×        |     |     |      | *    | <b>(x</b> )   |          |
| b. Turret Power-Engine   | €      |          | Œ                          | æ         |               |                   | æ                     |               |                          | É        | æ                  | 8        |     |     |      | *    | 8             |          |
| c. Aux. Power-Engine Off   | 3      |          |                            | <b>(X</b> |               |                   | 3                     |               |                          | 8        | <b>x</b>           | 3        |     |     |      | 3    | *             |          |
| 111. PERFORM BEFORE OFERATIONS<br>PMCS (INTERIOR)                          | DFROT  | OX       | TES                        | YES       | ON            | YES               | YES                   | Q.            | ON                       | YES      | YES Y              | YES NO   | YES | -   | ×    | YES  | YES           | NO       |
| 6. Check Main Accumulator<br>Pressure                                      | ۵      |          | ×                          | ×         |               |                   | ×                     |               |                          | ×        | ×                  |          |     |     |      | ×    | ×             |          |
| 7. Check Aux. Hydraulic Puz:   | Þ      |          |                            | ×         |               |                   | ×                     |               |                          | ×        | ×                  |          |     |     |      | ×    | ×             |          |
| 8. Check Gunner's Power Gun/<br>Turret Control                             | A      |          | ×                          | ×         |               |                   | ×                     |               |                          | ×        | ×                  |          |     |     |      | ×    | ×             |          |
| a. Check Power Traverse  | 3      |          |                            |           |               |                   |                       | <b>A</b> ,    |                          |          |                    |          |     |     |      | *    | (x)           |          |
| b. Check Power Gun<br>Elevation  | 3      |          |                            |           |               |                   |                       |               |                          |          |                    |          | -   |     |      | 3    | ×             |          |
| 9. Check Manual Gun/Turret<br>Controls                                     | c      |          |                            |           |               |                   |                       |               |                          |          |                    |          |     |     |      | ×    | ×             |          |
| a. Check Manual Traverse   | (p)    |          |                            |           |               |                   |                       |               |                          |          |                    |          |     |     |      | æ    | æ             |          |
| b. Check Manual Gun<br>Elevation   | 9      |          |                            |           |               |                   |                       |               |                          |          |                    |          |     |     |      | 3    | 3             |          |
|  |        |          |                            |           |               |                   |                       | •             |                          |          |                    |          |     |     |      |      |               |          |

The state of the s

| C. Check Turret Power  c. Check Turret Power  Controls Have No  Effect When Manual  Elevation Control  Pala Lever is  Depressed  d. Check AZ/Elev Serve-  Mach Filter Pop-Us,  Buttons  (x) | TASC           |     |                          |              |         | CTIME TOO    |                | ONGE TOP TOPING | Set ec  | 15 | 12  | CVIII TONC | TITE CHINE AND THE | THE ST       |      |
|---|----------------|-----|--------------------------|--------------|---------|--------------|----------------|-----------------|---------|----|-----|------------|--------------------|--------------|------|
| Check Turret Power Controls Have No Effect When Manual Elevation Control Palm Lever is Depressed Check AZ/Elev Serve- Nech Filter Pop-U; Buttons  | EAS IER HARDER | E   | IAIN A:SICH HOTOR HENTAL | TOR HENTA    | LSAMPLE | SELECT TRAIN | $\blacksquare$ | HO              | AID DEV |    | 3   | TYPE       | OSUT               | TRANS        | TIME |
| Check AZ/Elev Servn- (u)<br>Mech Filter Pop-Up<br>Buttoma   |                |     |                          |              |         |              |                |                 |         |    |     |            | 8                  | (X)          |      |
|   |                | (x) |                          | 3            |         |              | (x)            | (x)             |         |    |     |            | (×                 | æ            |      |
| e. Check Visible Hydraulic Lires For isaks  | Œ              | (x) |                          | ( <b>x</b> ) |         |              | E              | (x)             |         |    |     |            | (%)                | (X)          |      |
| 1V. CHECK OPERATION OF CUMPR DERNT YES NO YES CONTROLS. LIGHTS, AND CONTROLS  |                | YES | %0 %0                    | YES          | ON.     | ON           | YES            | Y 22 Y          | YES NO  | ON | C-+ | ٠.         | YES                | YES          | ON   |
| 10. Test Panul Lights/ USwitchen  |                |     |                          |              |         |              |                |                 |         |    |     |            | ×                  | ж            |      |
| 11. Replace Panel Lamps 1   |                |     |                          |              |         |              |                |                 |         |    |     |            | ×                  |              |      |
| 12. Adjust GPS and TIS D Ps.el lamp Brightness  |                |     |                          |              |         |              |                |                 |         |    |     |            | ×                  | ×            |      |
| 13. Paintain Fire Sensor U Lences   |                |     |                          |              |         |              |                |                 |         |    |     |            | ×                  | ×            |      |
| 14. Check Hydraulic Pressure D X X Cauge  | ×              | ×   |                          | ×            |         |              | ×              | ×               | ×       |    |     |            | ×                  | ×            |      |
| 15. Adjust Gunner's Seat D  |                |     |                          |              |         |              |                |                 |         |    |     |            | ×                  | <b>&gt;4</b> |      |
| a. Raise/Lower Seat (d)   |                |     |                          |              | -       |              |                |                 |         | -  |     |            | (x)                |              |      |
| b. Siide Seat Front/Rear (u)  |                |     |                          |              | -       |              |                |                 |         |    |     |            | (x)                |              |      |
| 16. Position Chest Rest For U   |                |     |                          |              |         |              |                |                 |         |    |     |            | ×                  | ×            |      |
| 17. Adjust GPS Brow Pad D   |                |     |                          |              |         |              |                |                 |         |    |     |            | ĸ                  |              |      |
| 18. Operate Domelight "D  |                |     |                          |              |         |              |                |                 |         |    |     |            | ×                  |              |      |
| s. Select Domelight (d)<br>Filter (Red/White)   |                |     |                          |              |         |              |                |                 |         |    |     |            | ŝ                  |              |      |
| b. Turn Donalight OK/OFF (d)  |                |     |                          |              |         |              |                |                 |         |    |     |            | æ                  |              |      |

| NOT TASK LIST<br>(GUNNER)                     | N.I.TA   | X X X X X X X X X X X X X X X X X X X | NSOAL TASK PERFORM ALITY EASIER HARDER |     | LEN<br>ASSIG | AMALYSIS<br>CAUSE<br>HOTOR HE | S<br>SE<br>HENTAL | JOB | TENTATIVE<br>SOLUTION<br>SELECT TRAIN | IVE<br>NATA | TRAINING HORE JOB TRNG HO AID DEV | JOB TRNG<br>AID DEV | WG DTD<br>V TASK | 15  | TRAINING<br>SKILL TRNG<br>LEVEL TYPE | PET DE   | TRAINING DELIVERY DATA | A PE |   |
|---|----------|---------------------------------------|--|-----|--------------|-------------------------------|-------------------|-----|---------------------------------------|-------------|-----------------------------------|---------------------|------------------|-----|--------------------------------------|----------|------------------------|------|---|
| c. Adjust Domedight Brightness                | (g)      |                                       |  |     |              |                               |                   |     |                                       |             |                                   |                     |                  |     |                                      | æ        |                        |      | 2 |
| 19. Operate Ballistic Boors                   | e        |                                       |  |     |              |                               |                   |     |                                       |             |                                   |                     | none.            |     |                                      | <b>×</b> | ×                      |      |   |
| a. Open/Close Ballistic<br>Dours              | 9        |                                       |  |     |              |                               |                   |     |                                       |             |                                   |                     |                  |     |                                      | Š        | (X                     |      |   |
| 26. Operate Radio Set With<br>Intercom System | မာ       |                                       |  |     |              |                               |                   |     |                                       |             |                                   |                     |                  |     |                                      | ×        | ×                      |      |   |
| A. Connect/Disconnect<br>CVC Welmet to Inter- | 3        |                                       |  |     |              |                               |                   |     |                                       |             |                                   |                     | ( <del>x</del> ) | (1) | <b>(X)</b>                           | *        |                        |      |   |
| b, Operate Intercon<br>Without Remote Con-    | 3        |                                       |  |     |              |                               |                   |     |                                       |             |                                   |                     | ×                | (0) | Š                                    | <b>×</b> |                        |      |   |
| C. Orerate intercon<br>With Foot Button       | (F)      |                                       |  |     |              |                               |                   |     |                                       |             |                                   |                     |                  |     |                                      | 8        |                        |      | • |
| 21. Test Computer Passi<br>Lights             | 5        |                                       |  |     |              |                               |                   |     |                                       |             |                                   |                     |                  |     |                                      | ×        | ×                      |      |   |
| V. PERFORM GPS FUNCTIONAL CHECK               | DFRNT    | 2%                                    | \$21                                   | YES | NO           | YES                           | YEZ               | POS | 340                                   | YES         | YES                               | N ON                | NO NO            | ¢.  | <b>6</b> •                           | YES      | YES                    | NC   |   |
| il. Propare CPS For Operation                 | <u>د</u> |                                       | <b>3-</b> (                            | ×   |              |                               | <b>;</b>          |     |                                       | ×           | <b>8</b> ;                        |                     |                  |     |                                      | ×        | ×                      |      |   |
| a. Unlock Turret Tra-<br>verse Lock           | 3        |                                       |  |     |              |                               |                   |     |                                       |             |                                   |                     |                  |     |                                      | <b>×</b> |                        |      |   |
| b, Unlock Main Gun<br>Travel Lock             | (e)      | *                                     |  |     |              |                               |                   |     |                                       |             |                                   |                     |                  |     |                                      | (x)      |                        |      |   |
| c. Set Gon, Turrer Drive<br>(GTD) to PONTRED  | (E)      |                                       |  |     |              |                               |                   |     |                                       |             |                                   |                     |                  |     |                                      | ×        |                        |      |   |
| d. Set Fire Control Mode<br>Switch to MANUAL  | 3        |                                       |  |     |              |                               |                   |     |                                       |             |                                   |                     |                  |     |                                      | 8        | •                      |      |   |
| e. Set THERMAL MODE<br>Switch to STBY         | 3        |                                       |  |     |              |                               |                   |     |                                       |             |                                   |                     |                  |     |                                      | <b>X</b> |                        |      |   |
| 23. Check GPS Defroster                       | į.       |                                       |  |     |              |                               |                   |     |                                       |             |                                   |                     |                  |     |                                      | ×        | ×                      |      |   |
| No. Chark Fire Control Mode Switch and Lights | a        |                                       |  |     |              |                               |                   |     |                                       |             |                                   |                     |                  |     |                                      | ×        | ×                      |      |   |
| 15. Sections Select Switch a flights          | A        | ×                                     |  |     |              |                               |                   |     |                                       |             |                                   |                     | _                |     |                                      | ×        | ×                      |      |   |

|  | XHI TASK LIST<br>(CUMBER)                     | MI TY IN    | HOAL TASK<br>TASK PERPORT | 00           |         | AMALYSIS<br>CAUSE<br>MOTOR IMPRES |               | 306    | TENTATIVE<br>SOLUTION |                | HORE JOB IR |     | TRA<br>DTD SKILL<br>TASK LEVEL | TRAINING DELIVERS DATA | C DELIV     | DELIVER DATA TRAINING SITE | 4  |
|--|---|-------------|---------------------------|--------------|---------|-----------------------------------|---------------|--------|-----------------------|----------------|-------------|-----|--------------------------------|------------------------|-------------|----------------------------|----|
| 26.                                    | Check Auro Select Suitch<br>and Lights        |             |                           |              |         |                                   |               |        |                       | 1              |             |     |                                |                        |             | ×                          |    |
| 27.                                    | Select GPS FILITRACIA/                        | 5)          |                           |              |         |                                   |               |        |                       |                |             |     |                                |                        | <b>×</b> .  | ×                          |    |
| ************************************** | Owek OFS Magnification                        | 9           |                           |              |         |                                   |               |        |                       |                |             | - 4 |                                |                        | ×           | ×                          |    |
|  | Idjust from Marie le la<br>Brightoness        | e           |                           |              |         |                                   |               |        |                       |                |             |     |                                |                        | ×           | ×                          |    |
| يَ                                     | Adjust GPS Focus Uning<br>Proples Ring        | и           |                           |              |         |                                   |               |        |                       |                |             |     |                                |                        | ×           |                            |    |
| r)                                     | that it for tan or furrer feels.              | ÷           |                           | ×            |         | je.                               |               |        |                       | ×              | ×           |     |                                |                        | ×           | ×                          |    |
| 32.                                    | Mil fee f To beift                            | ÷           |                           | e1           |         |                                   | ×             | ۲۰     |                       | ×              | :           |     |                                |                        | ×           |                            |    |
|  | VI. PRRFORM THE GLEGICOUT                     | DK 1 K 1 NC | ŗ                         | 5.12         | ; () di | . ES Y                            | YES P         | 50 d   | POS                   | YES Y          | YES NO      | ON. | , ON                           | 4                      | YES         | YES                        | NO |
| Ē                                      | Pre-are TIS For Operation                     |             |                           | F)           | ×.      |                                   | ×             |        | e.                    | ×              | ja.         |     |                                |                        | ×           | ×                          |    |
|  | A. Prieste THERMAL MODE<br>Stateth IA In STRY | 6.3         |                           |              |         | 3                                 | <b>X</b>      |        |                       |                |             |     |                                |                        | <b>(X</b>   |                            |    |
|  | b. Salver "SHIR" Postation                    | ch,         |                           |              |         |                                   |               |        |                       |                |             |     |                                |                        | <b>(</b> *) |                            |    |
|  | c. for PSIANITY Switch to MRITE son           | 3           |                           | (6)          |         | S                                 | (×            |        |                       |                |             |     |                                |                        | ×           |                            |    |
|  | 4. Set TREMAS NUMBERS CARTON to 3X            | ŝ           |                           | (4)          |         | 5                                 | 8             |        |                       |                |             |     |                                |                        | 8           |                            |    |
| à                                      | Theck TIS Unit Test                           | <u>.</u>    |                           | >:           |         |                                   | <b>&gt;</b> : | ç.     | s                     | 5.             | \$11        | -   |                                |                        | Þ¢          | ×                          |    |
|  | 102 4 X 2 4                                   | î           |                           | ( <b>x</b> ) |         | ٠                                 | (x)           | -      |                       | , x            | (*)         |     |                                |                        | (x)         | (x)                        |    |
|  | おいてある   | , a ,       |                           | 3            |         | υ                                 | (x)           |        |                       | (x)            | (x)         |     |                                |                        | (K)         | (×)                        |    |
|  | The Marie of                                  | 3           |                           | Ř            |         | Ç                                 | (x)           |        |                       | 3              | (x)         |     |                                |                        | (x)         | (x)                        |    |
|  | a. Cherry and                                 | â           |                           | 3            |         | ن                                 | (*)           | ****** |                       | (x)            | (x)         |     | •                              |                        | <b>(</b> *) | (x)                        |    |
| ;                                      | Print Tage Hattern                            |             |                           | ×ī           |         | F4                                | и             |        | •                     | >:             | ×           |     |                                |                        | ×           |                            | 1  |
|  | 1. 1. Bt Correset                             | (n)         |                           | <b>(</b> X)  | ٦       | 3<br>(3)                          | ( <u>x</u> )  |        |                       | ( <del>x</del> | (×)         | =   | 1                              |                        | Ê           |                            | *  |

|          | TOT TASK LIST                                  |       |               | SOA1 TAS       | X 0000     | COMPARISON ANALYSIS     | TALVET            |                       |          | TESTATIVE    | 25   | TRAINING     | NING                 | L              | H   | RAININ | G DELT | TRAINING DELIVERY DATA | 125     |
|----------|--|-------|---------------|----------------|------------|-------------------------|-------------------|-----------------------|----------|--------------|------|--------------|----------------------|----------------|-----|--------|--------|------------------------|---------|
|          |  | ALITY | TASK<br>EASTE | TASK PERFORM T | PRO        | PROBLEM<br>TRAIN ASSIGN | CAUSE<br>HOTOR HE | CAUSE<br>NOTOR MENTAL | SAMPLE   | SELECT TRAIN | *    | HORE JOH     | JOB TRING<br>ALD DEV | TASK           | S I | LL TWG | C TIM  | TRAINING SITE          | 118     |
|          | b. Milust Sepair (with                         | (11)  | 0206          |                | (*)        |                         | (3                | ( )                   |          |              | 3    | 3            |                      | -              |     |        |        |                        |         |
|          |  | į     |               |                |            |                         | 3                 | 3                     |          |              |      | 3            |                      |                |     |        | Ě      |                        |         |
|          | c. Adjust feticle                              | 3     |               |                | (x)        |                         | (x)               | æ                     |          |              |      |              |                      |                |     |        | (x)    |                        |         |
|          | d. Check BLACK/WHITE HOT                       | 3     |               |                | ×          |                         |                   | <b>*</b>              |          |              |      |              |                      |                |     |        | ×      |                        |         |
| 34.      | Adjust TIS Picture                             | n     |               |                | ×          |                         | ×                 | ×                     | ٠.       |              | ×    | <b>ب</b>     |                      |                |     |        | ×      | ×                      |         |
|          | a. Ensure Ballistic<br>Doors Are Open          | 3     |               |                |            |                         |                   |                       |          |              |      |              |                      |                |     |        | *      | *                      |         |
|          | h. Adjust Contrast                             | (3)   |               |                | *          |                         | ŝ                 |                       |          |              | (x)  | 8            |                      |                |     |        | ×      | *                      |         |
|          | c. Adjust Semsitivity                          | ĵ     |               |                | (X)        |                         | 3                 |                       |          |              | ×    | 8            |                      |                |     |        | *      | ×                      |         |
|          | d. Adjust Focus                                | 9     |               |                | <b>(X)</b> |                         | 3                 |                       |          |              | æ    | ( <b>X</b> ) |                      |                |     |        | ×      | ×                      |         |
| 37.      | djust TIS Symbol Brightness                    | د     |               |                | ×          |                         |                   | ×                     |          |              |      |              |                      |                |     |        | ×      | ×                      |         |
| VII. PER | PERPORE GAS ABJUSTMENTS                        | DFRUT | NO<br>O       | NO.            | Ñ          | CH.                     | × N               | Y.A                   | NO<br>NO | ON           | NO   | NC NO        | ON O                 | o <sub>N</sub> | ۰.  | ٠.     | YES    | YES                    | NO<br>N |
| 38.      | Prepare GAS For Operation                      | £     |               |                |            |                         |                   |                       |          |              |      |              |                      |                |     |        | ×      | ><                     |         |
|          | a. Disure Jurret Power                         | Ŧ     |               |                |            |                         |                   |                       |          |              |      |              |                      |                |     |        | 3      | ×                      |         |
|          | b. Tara Power Switch<br>to OK                  | (n)   |               |                |            |                         |                   |                       |          |              |      |              |                      |                |     |        | 3      | *                      |         |
| 39.      | Aljust GAS Brow Pad                            | د،    |               |                |            |                         |                   |                       |          |              |      |              |                      |                |     |        | ×      |                        |         |
| *0*      | Adjust GAS Focus Using<br>Dioptor Ring         | a     |               |                |            |                         |                   |                       | -        |              |      |              |                      |                |     |        | ×      | ×                      |         |
| **       | Adjust Filter Enob To<br>Reduce Glare (In/Out) | ده    |               |                |            |                         |                   |                       |          |              |      |              |                      |                |     |        | ×      | ×                      |         |
| ;<br>;   | Adjust GAS Reticle<br>Brightness               | ۵     |               |                |            |                         |                   |                       |          |              |      |              |                      |                |     |        | ×      | ×                      |         |
| -        | Check GAS Meticles                             | E     |               |                |            |                         |                   |                       |          |              |      |              |                      |                |     |        | ×      | ×                      |         |
| : TITE   | WILL INSTALL COAN MACHINECIN                   | DFRNI | YES           | NO             | Č.         | ON                      | NA                | NA.                   | ON       | ON.          | NO N | NO NO        | ON C                 | XES.           | . 1 | ×      | YES    | YES                    | C       |
| 7,7      | 44. Install 1240 Machinegun                    | А     | >:            |                |            |                         |                   |                       |          |              |      |              |                      | ×              | Н   | ×      | ×      | ×                      |         |
|          |  |       |               |                |            |                         |                   |                       |          |              |      |              |                      |                |     |        |        |                        |         |

| MAI TASK LIST  |              |      | HEOAL TASK | TASK | COMPARISON |                     | AMALYBIS  |            | 3   | TENTATIVE | 2 2  | 71.57 | IN  | 9                                     |     | TRAI  | MINC |            | TRAINING DELIVERY DATA | П   |
|--|--------------|------|------------|------|------------|---------------------|-----------|------------|-----|-----------|------|-------|-----|---------------------------------------|-----|-------|------|------------|------------------------|-----|
| (Negatiana)  | WITH.        |      | SIERMA     | DERT | NIM ASS    | TEALS ASSICAL HOTOR | PLOTOR 19 | NEDITAL    | -51 | SELECT    | HATA | 유     | 7   | DEV                                   | -7  | LEVEL | E    | 150        | TRANS UNIX             | EXE |
| IX. OFERATE CONTIER CONTROL FANEL                          | LWIQUE       | M %0 | YES        |      | YES        | So d                | ON        | YES        | YES | POS       | YES  | 7.ES  | YES | YES                                   | TES | ~     | ×    | YES        | YES                    | NO  |
| 45. Manually Enter Data                                    | 2            |      |            |      | ×          | ٠,                  |           | ×          | YES | ۴٠        | ×    | 14    |     | ×                                     | ×   | ~     | ×    | ×          | *                      |     |
| Into Manual Input<br>Keys (6)                              | (a)          |      |            | _    | 3          | (3)                 |           | ×          |     | (3)       | ×    | 3     |     | æ                                     |     |       |      | <b>*</b>   |                        |     |
| b. Into Auto Inputs<br>Keys (4)                            | 9            |      |            | • •  | 3          | (3)                 |           | æ          |     | 63        | (x)  | (x)   |     | €                                     |     |       |      | 8          |                        |     |
| 46. Cancel Manual Data<br>Inputs                           | 5            |      |            |      | ×          | £-                  |           | ×          | YES | ۳.        | ×    | ×     |     | ×                                     |     |       |      | ×          |                        |     |
| face Monual Laput<br>Keys (6)                              | 3            |      |            | J    | ×          | 3                   |           | <b>(x)</b> |     | 3         | 3    | (x)   |     | ×                                     |     |       |      |            |                        |     |
| b. Into Auto Input Keys<br>(4)                             | eys (u)      |      |            | Ü    | æ          | (3)                 |           | <b>(x)</b> |     | 8         | ×    | (x)   |     | ( <del>X</del> )                      |     |       |      | æ          |                        |     |
| 47. Taugle Switch Data Into Campater (See #51 (4))         | Into t'      |      |            |      | ×          | 100                 | ×         | ×          | ę., | ۴.        | ×    | ×     |     | ×                                     |     |       |      | ×          |                        |     |
| 48. Enter Aman Dependent<br>Data Into Computer (2)         | :<br>:<br>:3 |      |            |      | ×          | ۴۰                  |           | ×          | 6.  | ۴۰.       | ×    | ×     |     | ×                                     |     |       |      | я          |                        |     |
| 44. Enter With Data Auto<br>Input Into Computer (4)        | n<br>€       |      |            |      | ×          | <b>6</b>            |           | ×          | ٠.  | ٠.        | ×    | ×     |     | ×                                     |     |       |      | ×          |                        |     |
| X. OPERATY THE BALLISTIC                                   | DFROT        |      | NO YES     |      | ă          | 8                   | 2         | TES        | YES | POS       | XIX  | 821   | YES | YES                                   | 0   | ٠.    | ٠.   | YES        | YES                    | ٠.  |
| 50. Perform Computer Self-<br>Test                         | D -31        |      |            |      | ×          | ٠.                  |           | ×          | ×   | ٠.        | ×    | ×     | ×   | ×                                     |     |       |      | ×          | ×                      |     |
| 4. Prepare For Self-<br>Test (8 Tasks)                     | (a)          |      |            |      | (x)        | (3)                 |           | <b>(x</b>  | (x) | 3         | (x)  | (x)   | *   |                                       |     |       |      | (×         |                        |     |
| b. Conduct Self-Test                                       | 3            |      |            | -    | (x)        | (;)                 |           | æ          | (x) | (3)       | (x)  | ×     |     | <u>×</u>                              |     |       |      | (X)        |                        |     |
| (1) If "Pess" Proceed<br>to West Step                      | 72           |      |            |      |            |                     |           |            |     |           |      |       |     |                                       |     |       |      | <b>(X)</b> |                        |     |
| (2) ii "Paii" on Auto<br>Liput Tahe Coprec-<br>tive Action | 9 1          |      |            |      |            |                     |           |            |     |           |      |       |     | · · · · · · · · · · · · · · · · · · · |     |       |      | 3          |                        |     |
| (3) tyclos to By-Pass<br>Falled Auto<br>Capas as           | •            |      |            |      |            |                     |           |            |     |           |      |       |     |                                       |     |       |      | 8          | <b>*</b>               |     |

|         |                                   |           | 1000m  | - 1       | 100000      | 240744         |              |              | SIN AGE VE PAGE | 3         |              | P. S. S. P. Walle |     |        | - NAME   184 |     | THE PERSON NAMED IN | [  |
|---------|-----------------------------------|-----------|--------|-----------|-------------|----------------|--------------|--------------|-----------------|-----------|--------------|-------------------|-----|--------|--------------|-----|---------------------|----|
|         | (comment)                         | ALLTY     | 10 K   | . 111     | A881G       | NOTOR<br>TOTOR | E CAL        | JOB          | SELECT TRADE    | TANK.     | HOFE JOS     | JOB TRUE          | B 2 | OTD SK | SKILL TING   | 113 |                     | HE |
| 31.     | Perform Computer Data<br>Check    |           |        | ×         |             |                | ×            | YES          | 6.              | ×         | ×            | ×                 | ×   |        |              | ×   |                     |    |
|         | s. MAREAL Data Check              | ê         |        | ×         | ε           |                | <b>(X)</b>   | (x)          | (3)             | ×         | (x)          | <b>X</b>          | (x) |        |              |     |                     |    |
|         | (1) AMO TENT                      |           |        |           |             |                |              |              |                 |           |              |                   |     |        |              |     |                     |    |
|         | (2) BARD PRESS                    |           |        |           |             |                |              |              |                 |           |              |                   |     |        |              |     |                     |    |
|         | (1) AIR TENG                      |           |        |           |             |                |              |              |                 |           |              |                   |     |        |              |     |                     |    |
|         | (4) MS Indicator                  |           |        |           |             |                |              |              |                 |           |              |                   |     |        |              |     |                     |    |
|         | 14) ERS BORESICHT                 |           |        |           |             |                |              |              |                 |           |              |                   |     |        |              |     |                     |    |
|         | t. Coax Machinegun Date<br>Check  | â         |        | 3         | (3)         |                | ( <b>x</b> ) | 8            | 3               | æ         | (x)          | (×)               | æ   |        |              | æ   |                     |    |
|         | (1) APPLO SUBDES                  |           |        |           |             |                |              |              |                 |           |              |                   |     |        |              |     |                     |    |
|         | (2) BS ADJUST                     |           |        |           |             |                |              |              |                 |           |              |                   |     |        |              |     |                     |    |
|         | (3) 2510                          |           |        |           |             |                |              |              |                 |           |              |                   |     |        |              |     |                     |    |
|         | c. Nain Gum Bate Check            | 3         |        | ×         | (3)         |                | (x)          | ( <b>x</b> ) | (3)             | <b>(X</b> | 3            | (X)               | æ   |        |              | (2) |                     |    |
|         | (1) APPIC SUBDES                  |           |        |           |             |                |              |              |                 |           |              |                   |     |        |              | Ĵ   |                     |    |
|         | (2) BS ADJUST                     |           |        |           |             |                |              |              |                 |           |              |                   |     |        |              |     |                     |    |
|         | (3) 2890                          |           |        |           |             |                |              |              |                 |           |              |                   |     |        |              |     |                     |    |
|         | (4) (Rapest For All Armos)        |           |        |           |             |                |              |              |                 |           |              |                   |     |        |              |     |                     |    |
|         | (S) THE WAR                       |           |        |           |             |                |              |              |                 |           |              |                   |     |        |              |     |                     |    |
| 4: TEST | TPST FIRE CONTROL SYSTEM          | INTOUT NO | NO YES | Sax       | 80 <b>.</b> | ON.            | YES          | 90S          | Pos             | YES       | YES Y        | YES NO            | ==  | NO 3   | •            | NO  | O <sub>N</sub>      | ٠. |
| 52.     | Perform Load System               | 5         |        | ×         |             | ×              | ×            | ٠.           | 6~              | ×         | ×            |                   |     |        |              |     |                     |    |
| 7       | A. Frepare For Check<br>(9 lasks) | (E)       |        | <b>(X</b> | 3           |                | (x)          | ε            | (2)             | ×         | (x)          |                   |     |        |              |     |                     |    |
| ~       | b. Conduct Check                  | 3         |        | (x)       | Ç           | 8              | (X)          | 3            | (2)             | <b>(X</b> | ( <b>x</b> ) |                   |     |        |              |     |                     |    |
|         |                                   |           |        |           |             |                |              | -            |                 |           |              |                   | -   |        |              |     |                     |    |

|           | NOG TASK LIST<br>(CUMMER)                                | -NO-BOO  | MEGAL TASK<br>CHOODS - TASK PERFORM | AL TASK | PROSLEM | ISON ANA   | AVALYSIS CAUSE       | Soc       | TENTATIVE    | <del> </del> | 40 63   | JOB TRING |  | TRAIN<br>SKILL 1 |         | TRAINTHE SIT | BATA       | П |
|-----------|--|----------|-------------------------------------|---------|---------|------------|----------------------|-----------|--------------|--------------|---------|-----------|--|------------------|---------|--------------|------------|---|
| s.        | Perform Firing Circuits<br>Check                         | O D      | EMSER                               | HARDER  | TRATM X | SSICHMO    | ASSICAL MOTOR MENTAL | AL SAMPLE | SELECT TRAIN | X ×          | ж × ×   | AID DEV   | TASK                                   | LEVEL            | TYPE OS | osuri re     | TRANS LUCT | E |
|           | a. Prepare Por Chack<br>(5 Tasks)                        | (P)      |                                     | æ       | 8       |            | ( <del>X</del> )     |           |              | 8            | (x) (x) |           |  |                  |         |              |            |   |
|           | b. Conduct Check   | (8)      |                                     | 3       | (×      |            | (X)                  |           |              | 8            | (x)     |           |  |                  |         |              |            |   |
|           | (I) Install Tester                                       | (8)      |                                     |         |         |            |                      |           |              |              |         |           |  |                  |         |              |            |   |
|           | (2) Check Blasting<br>Machine                            | ·P)      |                                     |         |         |            |                      |           |              |              |         |           |  |                  |         |              |            |   |
|           | (3) Check Laugh Eleva-                                   | (a)      |                                     |         |         |            |                      |           | ·            |              |         |           |  |                  |         |              |            |   |
|           | 4) Check 2 Electrical<br>Triggers                        | (9)      |                                     |         |         |            |                      |           |              |              |         |           |  |                  |         |              |            |   |
|           | (5) Check Arimuth In-<br>Libit Function                  | 3        |                                     |         | (X)     |            | æ                    | (3)       |              | æ            | (x)     |           |  |                  |         |              |            |   |
| 17_B      | (6) Check Elevation in-<br>hibit function                | (3)      |                                     |         | (x)     |            | ×                    | 3         |              | 3            | (x)     |           |  |                  |         |              |            |   |
|           | (7 Check (am Select<br>and Gun Turret<br>9: tve Sultches | (e)      |                                     |         | 8       |            | (x)                  | (3)       |              | ÷            | (×)     |           |  |                  |         |              |            |   |
| j         | conduct Crosswind<br>Server Check                        | 2        |                                     |         | ×       |            | ×                    | ••        | ·            | ĸ            | *       |           |  |                  |         |              |            |   |
|           | 4. Prepare for Cleck<br>(3 Tasks)                        | (n)      |                                     |         | (x)     |            | ( <b>x</b> )         | 3         |              | (x)          | (×)     |           | ······································ |                  |         |              |            |   |
|           | b. Conduct Check   | (n)      |                                     |         | (x)     |            | (x)                  | (:)       |              | (x)          | (×)     |           |  |                  |         |              |            |   |
|           | c. Nean Sensor   | (n)      |                                     |         |         |            |                      |           |              |              |         |           |  |                  |         |              |            |   |
| XII. CO   | CONTACT MASTER CONTER DFIALIZE                           | THIOUE   | NO<br>NO                            | YES     | YES     | PCS N      | NO YES               | YES       | POS          | YES Y        | YES NO  | YES       | ON.                                    | ٠.               | ? NO    | NO           | NO         |   |
| يم<br>دار | Perform Lead Accuracy                                    | :1       |                                     |         | ×       | · ·        | ×                    | ×         | ٠٠           | ×            | ×       | ×         |  |                  |         |              |            |   |
| 36.       | Terform Super-Elevation Carch                            | fa.      |                                     | ×       | ×       | <b>*</b> · | ×                    | *         | ٠.           | ×            | ×       | ×         |  |                  |         |              |            |   |
| Pro-      | Forform Cant Test Cherk                                  | <b>5</b> |                                     |         | ×       | ۴.         | ×                    | ۲۰        | ·            | ×            | ×       | ×         |  |                  |         |              |            |   |

| 1000                                       |           | 1                     | 2000    |               | - 1             | 0.000 |               |      | 400 to 00000   |              | COATHTAC | 5                   | _<br>_     | 1                 | TULTUL   | ABANA ISH JNANAYOL | *****                              | DATE   |
|--|-----------|-----------------------|---------|---------------|-----------------|-------|---------------|------|----------------|--------------|----------|---------------------|------------|-------------------|----------|--------------------|------------------------------------|--------|
| (ESSE)                                     | CORPOS.   | TASK FER<br>EASTER H. | Ve De R | TEATE         | TE              | CAUS! | ENTAL         | JOB  | SKLECT TRA     |              | HORE A   | JOB TRNG<br>AID DEV | 10 1       | DTD SK<br>TASK LE | SKILL TI | TYPE OSUT          | TRAINING STIE<br>DSUT   TRANS UNIT | STIE S |
| XIII. OPERATE MUZZLE REPERENCE<br>SYSTEM   | UNIQUE    | ON.                   | YES     | YES           | so <sub>4</sub> | ¥     | YES           | POS  | POS            | YES          | YES YI   | YES YI              | YES        | ON.               | ۵.       | NO ?               | YES                                | NO     |
| 58. Align Mazzle Reference<br>System (NAS) | ä         |                       |         | ×             | ••              |       | ×             | ٠.   | ٠.             | ×            | ×        |                     | ×          |                   |          |                    | ×                                  |        |
| a. Prepare for MS<br>Alignment (7 Tasks)   | 3         |                       |         | 3             | ε               |       | <b>x</b>      | 3    | (3)            | É            | (x) (x)  | <b>0</b>            |            |                   |          |                    |                                    |        |
| b. Conduct MS Align-                       | <u>(5</u> |                       |         | ( <b>x</b> )  | 6               |       | ×             | 3    | 3              | æ            | (x)      | C                   | ( <b>*</b> |                   |          |                    | ×                                  |        |
| to MMS Reticle                             | 3         |                       |         | (x)           | (3)             | (x)   | (x)           | (3)  | (3)            | ( <b>x</b> ) | (x)      | ×                   | <u>.</u>   |                   |          |                    | (x)                                |        |
| d. Enter MRS Bata Into<br>Computer         | (5)       |                       |         | (x)           | ٤               |       | (×            | (3)  | 3              | <b>E</b>     | <b>%</b> | *                   | ·          |                   |          |                    | (x)                                |        |
| XIV. OF EKATE, COAXIAL MACHINEGUN (M246)   | DPRCT     | NO                    | NO.     | 541           | NG              | NC)   | YES           | ON O | N.             | YES          | YES NO   | ON O                |            | res 1             | ×        | YES                | NO                                 | CN     |
| 59. Fare Goax                              | Ω         |                       |         |               |                 |       |               |      |                |              |          |                     |            |                   |          | ×                  |                                    |        |
| 4. ifte Cass Elec-<br>trienty              | (6)       |                       |         |               |                 |       |               |      |                |              |          |                     |            |                   |          | ×                  |                                    |        |
| b. Fire Coam Manually                      | (P)       |                       |         |               |                 |       |               |      |                |              |          |                     |            |                   |          |                    |                                    |        |
| 50. Clear Your Machinegun                  | c         |                       |         | <b>&gt;</b> : |                 |       | ×             |      |                | ×            | ×        |                     |            | x<br>1            |          | ×                  |                                    |        |
| 12. Aprily Inswidiate Action               | , 2       |                       |         | 2.            |                 |       | <b>&gt;</b> : |      |                | ×            | ×        |                     |            |                   |          | ×                  |                                    |        |
| a. Respond to Lank                         | (6)       |                       |         | (x)           |                 |       | ( <b>x</b>    |      |                | 8            | (×)      |                     |            |                   |          | ×                  |                                    |        |
| to further (fork)                          | (9)       |                       |         | ×             |                 |       | æ             |      |                | )<br>(%)     | (×)      |                     |            |                   |          |                    |                                    |        |
| C. Canp. Conx Barrels                      | 6         |                       |         |               |                 |       |               |      |                |              |          |                     |            |                   |          | ×                  |                                    |        |
| For Comm. Spent Arms.                      | £.        |                       |         |               |                 |       |               |      |                |              |          |                     |            |                   |          |                    |                                    |        |
| XX - FELAND FASTER RANGETINDER (LEPN)      | ENI SEE   | TES                   | iES     | YES           | ž               | OK    | YES           | POS  | 0 <sub>N</sub> | YES Y        | YES NO   | YES                 |            | NO ?              | ٠٠       | NO                 | YES                                | ON     |
| two ducer LRF For "p" (errait fon          |           |                       |         | ×             |                 |       | ×             |      |                | *            | ×        | ×                   |            |                   |          |                    | ×                                  |        |

| TOT TASK LIST                                     |                  | 35       | MI TASE | HOSTAVALOO : |     | AMALYSIS          | 90    |      | TENTATIVE                | 37           | TRAINING           | ING                 | L         | TRAI           | TING D | TRAINING DELIVERY DATA         | DATA       |
|---|------------------|----------|---------|--------------|-----|-------------------|-------|------|--------------------------|--------------|--------------------|---------------------|-----------|----------------|--------|--------------------------------|------------|
| (connect)   | - TITT           | TASK PER | RECER   | TEAIN        |     | CAUSE<br>HOTOR HE | ENTAL | JOS  | SOLUTION<br>SELECT TRAIN | RAIN         | HORE JOB<br>HO ALD | JOB TRNG<br>ALD DEV | DTD       | SKILL<br>LEVEL | -      | TRAINING SITE<br>OSUT TRANS UN | TRANS UNIT |
| 65. Arm The LAT                                   | D                |          |         |              |     |                   |       |      |                          |              |                    |                     |           |                |        | ×                              |            |
| a. Arm Laser For Piret.<br>Return                 | 3                |          |         |              |     |                   |       |      |                          |              |                    |                     |           |                |        | ×                              |            |
| to Arm Laber For 1220                             | 3                |          |         |              |     |                   |       |      |                          |              |                    |                     | سجورت ردد |                |        | (x)                            | _          |
| 66. laser Firing                                  | 5                |          |         | ×            |     |                   | ×     | č    |                          | ×            | ×                  | ×                   |           |                |        | ×                              |            |
| a. Operate Laser Por<br>Continuous Firing         | (3)              |          |         | 3            |     |                   | (x)   |      |                          | ×            | <b>(X</b>          | (x)                 |           |                |        | æ                              |            |
| h. Sperate Laser For hapid Firing                 | 3                |          |         | (x)          |     |                   | (X)   |      |                          | (x)          | (x)                | (×)                 |           |                |        | 3                              |            |
| XVI. BOARSIGHT ARCARMIT                           | DIRKT            | o:       | YES     | YES          | PCS | YPS               | YES   | SO d | 904                      | YES          | VLS NO             | NC                  | YES       | 1 ×            | YES    | S YES*                         | NO *       |
| ol. Eurenaht Main Gun                             | ;:               |          | ×       | ×            |     | ×                 | ×     | ٠.   | ٠.                       | ×            | ×                  |                     | ×         | -              | ×      | ×                              |            |
| SdD 118184462 1.                                  | 2                |          | ×       | ×            | * • | ×                 | >:    | ۲.   | e.                       | ×            | ×                  |                     |           |                |        | ×                              |            |
| ad, Bovesight GAS                                 |                  |          | ×       | ~            |     | ×                 | ×     | ٠.   |                          | ×            | ×                  |                     |           |                |        | ×                              |            |
| 70. UPDATE/Boresight MAS                          | ت<br>-           |          |         | ~            |     |                   | ×     | ۲.   | ¢-                       | ~            | ×                  |                     |           |                |        | × ×                            |            |
| XVII. TERO ARHAMENT                               | DFROT            | 0        | YES     |              | POS | NO                | YES   | POS  | POS                      | YES          | YES YES            | s YES               | YES       | -              | ¥ :    | YES YES                        | S NO       |
| 71. Zero Paka Gun                                 | £                |          | ×       | ×            | •.  |                   | ×     | ٠.   | r.,                      | ×            | ×                  | ×                   | ×         | ~              | ×      | ×                              | X*         |
| 4. Propate to Zero (12<br>Tasks)                  | (p)              |          | ×       | (X)          | 3   |                   | (x)   | (3)  | (3)                      | ( <b>x</b> ) | (x) (x)            | ^                   |           |                | ن      | (x) (x)                        | _          |
| b. Fire For Zero (5 Rds.<br>Each)                 | ( <del>p</del> ) |          | (x)     | *            | 3   |                   | (x)   | (3)  | (3)                      | (x)          | (x)                | (X)                 |           |                | Ÿ      | (x)                            |            |
| c. Fare For Confirmation (3 then 2 Tds to Repeat) | ( <del>q</del> ) |          | 8       | (x)          | 3   |                   | (X)   | 3    | (3)                      | (x)          | (x) (x)            | (x)                 |           |                | Ü      | (x) (x)                        | <u>^</u>   |
| eto 715   |                  |          |         | ×            |     | ×                 | ×     |      |                          | >:           | ×                  | ×                   | ×         | , 4            | ·<br>> | ×.                             |            |
| 73. Seconds                                       | £                |          |         | ×            |     | ×                 | ×     |      |                          | ×            | ×                  | ×                   |           |                | ×      |                                |            |
| 74. Zere Coax (MC40)                              | 13               |          |         | ×            |     |                   | ×     |      |                          | ×            | ×                  | ×                   | ×         | н              | ×      | *                              |            |

|        |  |            |      |          |    |       |       |             |       |           |        | Total    | PRATETEC | ٦              |       | TPATH   | THC D | TRAINING DELIVERY DATA | PATA        | Γ          |
|--------|--|------------|------|----------|----|-------|-------|-------------|-------|-----------|--------|----------|----------|----------------|-------|---------|-------|------------------------|-------------|------------|
|        | (COMMENT)  | ALLTY      | 37.5 | -1164 53 | 1  | 1 171 | HOTOR | EPTAL.      | SAPLE | SELECT TO | TRATIN | SE OF    | ALD TO   | TTONO          | DTD S | SKILL T | TYPE  | TRAINING<br>OSUT TRAI  | TRANS 1     |            |
| WIII.  | ABJUST BATTLE RANGE  | 100        | 2    | 9        | 2  | 2     | 9     | TES         | 9     | 2         | YES    | YES      | NO Y     | YES            | 9     | ~       | NO F  |                        | YES         | ON O       |
| 75.    | Pro-index Battlesight<br>Range Data Into Computer                        | <b>D</b>   |      |          | ×  |       |       | ×           |       |           | ×      | ×        | 10071    | ×              |       | •       |       | 5-5                    | ×           |            |
|        | a. BR Adjust SABOT   | ê          |      |          | 3  |       |       | *           |       |           | 3      | (x)      | J        | æ              |       |         |       | ت                      | æ           |            |
|        | b. BR Adjust MEAT  | 3          |      |          | 3  |       |       | <b>(x</b> ) |       |           | 8      | <b>X</b> | J        | <b>(x</b> )    |       |         |       | ت                      | <b>(</b> *) |            |
|        | c. BR Adjust HEP   | 9          |      | *        | 8  |       |       | æ           |       |           | 3      | 8        | J        | ×              | *     |         |       | ٥                      | æ           |            |
| XIX.   | OPERATE GAS PARTICULATE<br>FILTER SYSTEM                                 | SAME       | 2    | 2        | 2  | 9     | ž     | ¥           | 9     | ON.       | 98     | 9        | N ON     | ON O           | YES   | -       | ×     | YES                    | YES         | <b>M</b> O |
| 76.    | Clent 6 Saal Protective<br>Mask (M25)                                    | vs         |      |          |    |       |       |             |       |           |        |          |          |                | ×     | -       | ×     |                        |             |            |
| 77.    | Check Filter, Hose, and<br>Connections                                   | w          |      |          |    |       |       |             |       |           |        |          |          |                | ×     |         | ×     | •                      | >4          |            |
| 8.     | Check Intercom Connection  | w          |      |          |    |       |       |             |       |           |        |          |          |                | ×     | rel     | ×     | i                      |             |            |
| 79.    | . Check Heator Lamp Light  | w          |      |          |    |       |       |             |       |           |        |          |          |                |       |         |       |                        | ĸ           |            |
| 80.    | . Adjust Heater Tempers-<br>ture   | S          |      |          |    |       |       |             |       |           |        |          |          |                |       |         |       |                        | ×           |            |
| 61.    | 61. Stow/Unstew Hask   | S          |      |          |    |       |       |             |       |           |        |          |          |                |       |         |       |                        |             |            |
| i<br>i | C'ERATE FIRE ENTINGUISHERS   | DETAIL     | 80   | O.K      | ON | OM    | V.    | ٧×          | 2     | 9         | 8      | 3        | 5        | 9              | YES   | ~       | ×     | YES )                  | 30          | No         |
| 82.    | Operate Exterior Fire<br>Extinguisher Handle                             | S          |      |          |    |       |       |             |       |           |        |          |          |                |       |         |       |                        |             |            |
| 93.    | Operate Portable Fire<br>Extinguisher                                    | <b>8</b> 0 |      |          |    |       |       |             |       |           |        |          |          |                |       |         |       |                        |             |            |
| *      | Chack Pressure Gauges Reference Ambient Tem-<br>perature & Secure Mounte | 5          |      |          |    |       |       |             |       |           |        |          |          |                |       |         |       |                        |             |            |
| Ä      | PERFORM "DURING" OPERATIONS<br>PHCS (REPEAT IASK #1)                     | Ē          | 2    | Ē        | 2  | 2     | 2     | Ē           | NO    | OK .      | 22     | 2        | TES N    | NO             | SAT   | -       | 2     | YES                    | NO NO       | NO<br>NO   |
| XIII.  | PENTONN "AFTER" OFFEATIONS<br>PHOSE (REPEAT TASKS #8, 9,<br>14)          | į          | 2    | \$       | 2  | 2     | 2     | ş           | 2     | <u> </u>  | Ē      | 7.637    | YES N    | O <sub>X</sub> | ន     |         | ×     | YES Y                  | TES         | NO         |

| TASK LIST  |          | 1             | 63A1 TAS        | K COMPARISON |          | AMALVETS                |       |          | TENTATION                | 15    | TRAT             | TRAINING            |     | -    | RATMIN                   | TRAINING DRITUREY | UP WY                           | DATA  |
|--|----------|---------------|-----------------|--------------|----------|-------------------------|-------|----------|--------------------------|-------|------------------|---------------------|-----|------|--------------------------|-------------------|---------------------------------|-------|
| (CUMPER)   | ALITY    | TASK<br>EASTE | EASTER HARPER T | TRAIN ASS    | 12       | CAUSE<br>HOTOR   HENTAL | ENTAL | JOB      | SOLUTION<br>SELECT TRAIN |       | MORE J           | JOB TRNG<br>AID DEV | 171 | XS 3 | SKILL TRNG<br>LEVEL TYPE | -124              | TRAINING SITE<br>SUT TRANS UNIT | TIMIT |
| XXIII. POWER YOUN AND SECURE GUNNER STATION                                      | DFROT    | Q.            | YES             | YES          | on<br>On | NO                      | YES   | 08       | ON                       | YES . | res Y            | YES NO              | KRS | 7    | ×                        | YES               | YES                             | NO    |
| 85. Dismount Coax Machinegun   | ۴        | ×             |                 |              |          |                         |       | 7        |                          |       |                  |                     | ×   | 7    | ×                        | *                 | ×                               |       |
| M6. Power Down Gunner Station (9 Tasks)  | a        |               | ×               | ×            |          |                         | ×     |          |                          | ×     | ×                | ×                   |     |      |                          | ×                 |                                 |       |
| 87. Exit Tank  | v.       |               |                 |              |          |                         |       |          |                          |       |                  |                     |     |      |                          | ×                 |                                 |       |
| XXIV. PERFORM PRE-FIRE PMCS.<br>(REPEAT PME-OF TASKS #22-37, 50, 72, 53, 54, 71) | DFRXI    | NO            | YES             | 52A          | . So.:   | NO<br>NO                | YES   | ON.      | Pos                      | YES   | YES "            | YES YES             | YES | S    | *                        | YES               | YES                             |       |
| 86, Check Goax Machinegun<br>Bornting  | n        | ĸ             |                 |              |          |                         |       |          |                          |       |                  |                     |     |      |                          | ×                 |                                 |       |
| 89, Check Coax Electric<br>Sulemoid  | v.       |               |                 |              |          |                         |       |          |                          |       |                  |                     |     |      |                          | 74                |                                 |       |
| 90. Check Goax Manual Trigger  | s        |               |                 |              |          |                         |       |          |                          |       |                  |                     |     |      |                          | ×                 |                                 |       |
| 91. Check Coax Manual Safety   | to.      |               |                 |              |          |                         |       |          |                          |       |                  |                     |     |      |                          | ×                 |                                 |       |
| 92. Check foresight (4 Tasks)  | ນ        |               |                 | ×            | ٠.       |                         | ×     | ٠.       | ٠.                       | ×     | ×                | ×                   |     |      |                          | ×                 |                                 |       |
| YXV. PERFORM PRIPARE-TO-FIRE CHECKS.   | DFRNT    | NO            | YES             | TES          | O.X      | ON.                     | YES   | 208      | NO<br>NO                 | YES   | VES NO           | YES                 | YES | 2    | ^                        | X YES             | e                               | ON    |
| 93. Propare To Fire Main Gun   | ۵        |               | ×               | ж            |          |                         | ×     | ٥.       |                          | ×     | *                | ×                   |     |      |                          |                   |                                 |       |
| a. Normal  | (9)      |               | (x)             | (x)          |          |                         | (x)   | 3        |                          | 8     | (x)              | (x)                 |     |      |                          |                   |                                 |       |
| b. Degraded  | (g)      |               | 3               | (x)          |          |                         | (x)   | (2)      |                          | (X)   | (×               | ×                   |     |      |                          |                   |                                 |       |
| W. Prepare to Piere Coax   | <b>a</b> |               | ×               | ;=*          |          |                         | ×     | ٠.       |                          | ×     | ×                | ×                   |     |      |                          |                   |                                 |       |
| n . N. frank   | 3        |               | (x)             | (x)          |          |                         | (x)   | (;)      |                          | (X)   | (×)              | (x)                 |     |      |                          |                   |                                 |       |
| by the plant of  | (5)      |               | 3               | (×)          |          |                         | (×    | <b>E</b> |                          | 3     | ( <del>x</del> ) | (x)                 |     |      |                          |                   |                                 |       |
| WITH TABLET AC BISTINGS  | 11.      | 34            | S.              | YES          | Po.      | OX                      | YES   | TES      | SOd                      | YES Y | YES NO           | YES                 | NO  |      | 61                       | <b>C</b> +        | YES                             | ٠.    |
| 95, containe farget's Using OPS  | ٦        | 14            |                 | ×            |          |                         | ×     | ٠.       |                          | ×     | ×                | ×                   |     |      |                          |                   |                                 |       |
| 96. Acquire Targets Using IIS  | ۵        | ×             |                 | ×            |          |                         | ×     | ۴.       |                          | ×     | ×                | ×                   |     |      |                          |                   | ×                               |       |
| 97. Augulte Jargets Teine Chs  | e#       |               |                 | ×            |          |                         | ×     | ٠.       |                          | ×     | ×                | ×                   |     |      |                          |                   |                                 |       |
|  |          |               |                 |              |          |                         |       |          |                          |       |                  |                     |     |      |                          |                   |                                 |       |

|  | £  | HEOAL TASK  | 392     | AL TASK  | COPPARISON |          | AMALYSIS     |       |            | TENTATIVE    |       | TRAIN  | TRAINING | TRA]     | RAINING | C DELL    | TRAINING DELIVERY DATA | ATA  |
|--|--|-------------|---------|----------|------------|----------|--------------|-------|------------|--------------|-------|--------|----------|----------|---------|-----------|------------------------|------|
|  | (COMPLEX.)   | AL. 17      | EAS LER | HARDER   | TRAIN ASS  | Ğ        | HOTOR SENTAL |       | 3          | SELECT TRAIN | 7     | HOAL   | AID DEV  | ~        |         | 1000      | OSUT. TRANS UNIT       | TIME |
| ************************************** | i. Acquire Targets Uning<br>Unity Window                             | v           |         |          | 1;         |          |              | ×     | ۲.         |              | ×     | ×      | ×        |          |         |           |                        |      |
| <i>*</i>                               | -  | ۵           | ×       |          | ×          |          |              | *     | ۴.         |              | ×     | ×      | ×        |          |         |           |                        |      |
| 10¢.                                   | . Acquire Targets Buring.  | ۵           | ×       |          | ×          |          |              | ×     | ۴.         |              | ×     | ×      | ×        |          |         |           |                        |      |
| 101.                                   | . Acquire Targets From Defilado                                      | es.         |         |          | ×          |          |              | ×     | ٠.         |              | ×     | ×      | ×        |          |         |           |                        |      |
| 102.                                   | . Acquire Targets Wille<br>Stationary                                | ıs          |         |          | ×          |          |              | ×     | ۲.         |              | ×     | ×      | ×        |          |         |           |                        |      |
| 2                                      | . Acquire Targets While Moving                                       | د           |         | ×        | ×          | <u>.</u> |              | ×     | <b>.</b> . | ٠.           | ×     | ×      | ×        |          |         |           |                        |      |
| 1.04.                                  | . Nand-Off Acquired Targets  | ve          | ×       |          |            |          |              |       |            |              | ×     | ×      | ×        |          |         |           |                        |      |
|  | XXVII. TARGET ENGAGEMENTS WITH HAIN CON (KORMAL) (GPS)               | DFRNT       | YES     | ů.       | YES        | Pos      | YES Y        | YES Y | YES        | POS          | YES Y | YES NO | YES      | YES 1    |         | x YES     | YES                    | NO   |
| 11-13<br>29<br>20                      | . Set Washin System Oper-<br>ating Specifications For<br>Normal Mode | c           |         |          |            |          |              |       |            |              |       |        |          |          |         | ×         |                        |      |
|  | . Set Magnification  | (P)         |         |          |            |          |              |       |            |              |       |        |          |          |         |           |                        |      |
|  | h. Set Fire Control Made   | (n)         |         |          |            |          |              |       |            |              |       |        |          |          |         | 8         |                        |      |
|  | C. Set dan Selact  | (P)         |         |          |            |          |              |       |            |              |       |        |          |          |         | (x)       |                        |      |
|  | d. Set Ammo Select   | <b>(</b> P) |         |          |            |          |              |       |            |              |       |        |          |          |         | (x)       |                        |      |
|  | e, Set LRF To Designated<br>Mode                                     | (9)         |         |          |            |          |              |       |            |              |       |        |          |          |         | <u>(8</u> |                        |      |
| 106.                                   | . Acquire Target And identify  | .1/0        | ۵       | 2        | ×          |          |              | ×     |            |              | ×     | ×      | ×        | <u>.</u> |         | ×         | ٥.                     |      |
|  | a, Announce "Cannot Identify"  | 3           |         |          |            |          |              |       |            |              |       |        |          |          |         |           |                        |      |
|  | b. Amounce "Identified"  | 3           |         |          |            |          |              |       |            |              |       |        |          |          |         | (x)       | ×                      |      |
|  | c. Take Up Turret Centrol<br>From TC                                 | (n/p)       | (p)     | <u>?</u> | ŝ          |          | 3            |       |            |              | (×)   | (X     | æ        |          |         |           | ×                      |      |
|  |  |             |         |          |            |          |              |       | ,          |              |       |        |          |          |         |           |                        |      |

|      |  |            | 400   | 1           | COMPARTEOR |        | AHATVETE               |       | TENTALTUE | 5          | TRATHTMG           | ٤     | TRAINING DELIVERY DATA          |
|------|--|------------|---|-------------|------------|--------|------------------------|-------|-----------|------------|--------------------|-------|---------------------------------|
|      | (Camera)   | ALLT.      | COMPANY TASK PERFORM<br>ALITY EASIER HARDER | 1 1 1 1 1 1 | TRAEN ASS  | 1 1761 | CAUSE<br>HOTOR PRESTAL | SAPLE | SELECT TE |            | HOSE JOB<br>HO ALD | TE TO | DASK LEVEL TYPE OSUT TRANS UNIT |
|      | Lay On Target (CPS):   |            |   |             |            |        |                        |       |           |            |                    |       |                                 |
| 107. | Scal/Stat  | W          | ×   |             |            |        |                        |       |           |            |                    |       | ** ×                            |
| 108. | Stat./Moving (Track)   | 80         | ×   |             | ×          |        | ×                      | 4     | ٠.        | ×          | ×                  | ×     |                                 |
| 19   | Howing/Stat (Track)  | 5          |   |             | ×          | ••     | ×                      | 2     | ۴.        | ĸ          | ×                  | ×     | ×                               |
| 110. | Noving/Noving (Track)  | 5          |   |             | ×          | •      | ×                      | 6.    | ٠.        | ×          | ×                  | ×     | ×                               |
| 111. | Determine Range to Darget<br>Using LRF and GPS (Lase<br>On Center of Noss) | Þ          | н   | н           | ×          |        | ×                      | •     |           | ×          | ×                  | ×     | ×                               |
| 112. | Verify Firing Status   | 5          |   |             | ×          | ¢.     | ×                      |       | ۴.        | ×          | ×                  | ×     | ×                               |
|      | a. Check/Respond To<br>Multiple Return                                     | 3          |   |             | )<br>(x)   | 9      | (X)                    | 3     | (3)       | *          | *                  | (x)   | (x) (x)                         |
|      | b. Check/despond To Fault  | 9          |   |             | 3          | (3)    | *                      | 3     | 3         | <b>(x)</b> | Ê                  | 8     | ( <b>x</b> )                    |
| 113. | ffre Usin Gun  | s          |   |             |            |        |                        |       |           |            |                    |       | ×                               |
| 114. | Respond to Nain Gun<br>Missiste  | in         |   |             | ×          |        | ×                      |       |           | ×          | ×                  | ×     | ** ×                            |
|      | Lound Serse (GPS):   |            |   |             |            |        |                        |       | استوجي    |            |                    |       |                                 |
| 115. | Stat/Stat  | ۵          | ×   |             |            |        |                        |       |           |            |                    |       | ×                               |
| 116. | Stat/floving (Track)   | ۵          | ×   |             | H          |        | M                      | •     |           | ×          | *                  | ×     |                                 |
| 117. | Neving/Stat (Track)  | <b>5</b>   |   |             | <b>3</b> 4 | •      | ×                      | •     | ٠.        | ×          | ×                  | ×     |                                 |
| 116. | New ing/New ing (Track)  | Þ          |   |             | ×          |        | ×                      | 4.    | ¢         | ×          | ×                  | ×     |                                 |
|      | Adjust Pier (CPS):   |            |   |             |            |        |                        |       |           |            |                    |       |                                 |
| 119. | Apply Se-Ingage Method   | ۵          |   |             | ×          | •••    | ×                      | •     | ٠.        | ×          | ×                  | ×     | ×                               |
| 120. | Apply Bot  | a/s        | w   | Þ           | ×          | ۲.     | ×                      | •     | ٠.        | ×          | ×                  | ×     |                                 |
| 121. | Apply Standard Range<br>Correction   | 0/8        | us.   |             | ×          | ٠.     | ×                      | ••    | ¢.        | ×          | ×                  | ×     | . *X                            |
| 122. | No-Fire (TC Toggle Renge Adj.)   | Þ          |   |             | *          | ٠.     | ×                      | •     | 6-        | ×          | ×                  | ×     |                                 |
| 123. | Respond To Subsequent<br>F.L. e Commend                                    | <b>8/8</b> | •   |             | ×          | ••     | ×                      | •     | ۰,۰       | н          | н                  | ×     | ŧ.                              |

|         | 1 1367 1367   |                | 1        | 1041 PACK |     |     | 9841884 |      |            | WORLD A TO VIEW |     | TOATMING | ONTE     |          | F        | TDATMING   | DET TE  | DEI TURBO DATA |      |
|---------|---|----------------|----------|-----------|-----|-----|---------|------|------------|-----------------|-----|----------|----------|----------|----------|------------|---------|----------------|------|
|         |   | -100800        | TASK     | -11       | .1. |     | CAUSE   | -    | 306        | SOLUTION        | -   | NO REL   | JOB TRUK | 120      | SK       | SKILL TING | ۱,      | TRAINING SITE  | E    |
|         |   | MIT            | 2.011.01 |           | 3.4 | ō   | N)TOR H | TAL. | 3          | SELECT TRAIN    |     | W OH     | AID DEV  |          |          | SL TYPE    | ıЫ      | TRAMS UNIT     | UNIT |
| XXVIII. | CUI (ACREAL/BURGENCY) (TIS)   | COL TOPE       | ā        | ž         | 23  | šč. | YES     | ă    | Pos        | 80              | YES | YES NO   | O YES    | ۲.       | ٠.       | ۴.         | ۴.      | NO             | ۴۰   |
|         | Lay On Target (TIS):  |                |          |           |     |     |         |      |            |                 |     |          |          |          |          |            |         |                |      |
| 124.    | . Stat/Stat   | 5              |          |           | ×   |     |         | ×    | ٠.         |                 | ×   | ×        | ×        |          |          |            |         |                |      |
| 125.    | . Stat/Noving (Track)   | با:            |          |           | ×   |     | ×       | ×    | ٠,         |                 | ×   | ×        | ×        |          |          |            |         |                |      |
| 126.    | . Moving/Stat (Track)   | ລ              |          |           | ×   | ۴.  | ×       | ×    | <b>6</b> ~ | ٠-              | ×   | ×        | ×        |          |          |            |         |                |      |
| 127.    | . Howing/Noving (Track)   | ي              |          |           | ×   | •   | ×       | ×    | •          | •               | ×   | ×        | ×        |          |          |            |         |                |      |
| 128.    | Determine Range to Target<br>Using LAT/IIS (Lase on<br>Center of Nasa | 5              |          |           | ×   |     |         | ×    | •          |                 | ×   | ×        | ×        |          |          |            |         |                |      |
|         | Round Sense (TIS):  |                |          |           |     |     |         |      |            |                 |     |          |          |          |          |            |         |                |      |
| 133.    | . Stat/Stat   | ຍ              |          |           | ×   |     |         | ×    | •          |                 | ×   | ×        | ×        | _        |          |            |         |                |      |
|         | . Stat/lowing (Track)   | Đ              |          |           | ×   |     | ×       | ×    | g.v.       |                 | ×   | ×        | ×        | -        |          |            |         |                |      |
| -15     | . Brief Helt  | 5              |          |           | ×   |     |         | ×    | •~         |                 | ×   | ×        | ×        |          |          |            |         |                |      |
| 132.    | . Noving/Stat (Track)   | Þ              |          |           | ×   | •   | ×       | ×    | •~         | ۴.              | ×.  | ×        | ×        |          |          |            |         |                |      |
| 133.    | . Noving/Noving (Track)   | ٩              |          |           | ×   | ۴.  | ×       | ×    | •          | •               | ×   | ×        | ×        |          |          |            |         |                |      |
|         | Actival Pire (TIS):   | and the second |          |           |     |     |         |      |            |                 |     |          |          |          |          |            |         |                |      |
| 134.    | . Apply Re-Engage Method  | •              |          |           | ×   |     | ×       | *    | **         |                 | ×   | ×        | ×        |          |          |            |         |                |      |
| 135.    | . Apply BOT   | Þ              |          |           | м   | •   | ×       | *    |            | <b>g</b> in     | ×   | ×        | ×        |          |          |            |         |                |      |
| 134.    | Comment for   | Þ              |          |           | ×   | •   | 4       | *    | *          | 61              | ×   | ×        | ×        |          |          |            |         |                |      |
| 137.    | . Ro-Fire (TC Beggle Range<br>Adj.)                                   | Þ              |          |           | *   | •   | ĸ       | *    | •~         | 6~              | ×   | ×        | ×        |          |          |            |         |                |      |
| 138.    | . Respond to Subsequent Pire Committed                                | 5              |          |           | ×   | •   | ×       | ×    | •          | ٠.              | ×   | ×        | ×        |          |          |            |         |                |      |
| XXIX.   | TARGET ENGACEMENTS WITH MAIN<br>CON (ENGREDMENT) (GFS)                | Dertort        | TES      | 2         | 2   | ž   | ž       | 2    | 8          | <b>SO2</b>      | YES | TES NO   | O YES    | <u>~</u> | <b>~</b> | ٠.         | <b></b> | ٠              | 61   |

| •  | E   |             | 20      | A1 TSK          | COMPARI | DE ANAL  | YSIS    |            | 1            | TENTATIVE    |       | TRAINING |     | 1 16    | TRAINING DELIVERY DATA | C DELT | PRI DA     | Ţ    |  |
|--|---|-------------|---------|-----------------|---------|----------|---------|------------|--------------|--------------|-------|----------|-----|---------|------------------------|--------|------------|------|--|
|  | (CONTRA)  | ALITY       | EASTER. | EASTER HARDER T | RAIN    | ICN HOT  | OR MENT | TAL SAMPLE |              | SELECT TRAIN |       | AID DEV  | 2 > | TASK LE | SKILL TYPE             | Inso 2 | TRANS UNIT | TIKN |  |
| 139. Sut   | Sut Weapon System Oper-<br>ating Specifications for                                 | n           | ×       |                 |         |          |         |            |              |              |       |          |     |         |                        | ×      |            |      |  |
| Bier   | Diergen'y Yode  |             |         |                 |         |          |         |            |              |              |       |          |     |         |                        |        |            |      |  |
| <u> </u>   | Set Fire Control Mode<br>Set Gun Select   | 33          | 3       |                 |         |          |         |            |              |              |       |          |     |         |                        | Ê      |            |      |  |
| 140. Liy   | Liy Ch Target From A<br>Bridef Ralt   | s/c         | vs      | 5               | ×       | ×        |         |            |              | ×            | ×     |          | ×   |         |                        |        |            |      |  |
| 141. Apl   | Auply Manual Lead For<br>Myving Targets Using GPS<br>Statistics                     | <b>8/</b> 6 | v       | Þ               | ×       | ¢.       | ×       | ۴.         | ··           | ×            | ×     |          | ×   |         |                        |        |            |      |  |
| XXX TARGET CUN (NA   | TARGIT ENCACEMENTS WITH MAIN<br>GIN (MANUAL) (GAE)                                  | DFRNT       | YES     | NO.             | YES     | POS YE   | YES YES | s Pos      | Pos          | S YES        | S YES | ON       | YES | ٠.      | ٠٠                     | ٠.     | ć.         | ٠.   |  |
| 142. Set<br>atin<br>Manu   | Set Weapon System Oper-<br>ating Specifications For<br>Manual Mode                  | ۵.          |         |                 |         |          |         |            | - <u></u>    |              |       |          |     |         |                        | ×      |            |      |  |
|  | a. But Fire Coutrol Mode  | (a)         |         |                 |         |          |         |            |              |              |       |          |     |         |                        | (x)    |            |      |  |
| •  | Set SAS To OH   | (n)         |         |                 |         |          |         |            |              |              |       |          |     |         |                        |        |            |      |  |
| 9  | Set Filter (IN/OUT)   | (P)         |         |                 |         |          |         |            |              |              |       |          |     |         |                        |        |            |      |  |
| 10 Mg  | Set APDS/HEP OF NEAT  | 3           |         |                 |         |          |         |            | <del>,</del> |              |       |          |     |         |                        | (x)    |            |      |  |
| 143. Trav  | Traverse To Announced<br>Target Location  | v.          | *       |                 | *       | ~        | ×       |            |              | ×            | ĸ     |          | ×   |         |                        | *      |            |      |  |
| 144, 14y<br>Jano   | lay On Target Using<br>Janounced Rangeline  | vs          | ×       |                 | ×       | ę.<br>2: | *       | ٠,         | ·            | ×            | ×     |          | ×   |         |                        | ×      | ×          |      |  |
| 145. Appl<br>Hovi  | Apply Memual Lead For<br>Howing Targets Using CAS<br>Heticles                       | 's          |         |                 | ä       |          | ×       | ۵.         | •            | ×            | Þť    |          | ×   |         |                        |        |            |      |  |
| 146, Manual Control of the Control o | Hanually Traverse And Ele-<br>vate Simultaneously While<br>Tracking A Noving Target | vs          | 144     |                 | ×       | **       | ×       | e.         |              | ×            |       |          | ×   |         |                        |        |            |      |  |
|  | Fire Main Gun:  |             |         |                 |         |          |         |            |              |              |       |          |     |         |                        |        |            |      |  |
| 147. Uat<br>21en   | Uning Tribger On Manuel<br>Elevation Handle   | s           |         |                 |         |          |         |            |              |              |       |          |     |         |                        | ×      |            |      |  |
| 148. 0631  | daing Slawing Machine   | v.          |         |                 |         |          |         |            | <u>-</u>     |              |       |          |     |         |                        | ×      |            |      |  |
| 144. Bes.  | Respond To Main Gun   | ıs          |         |                 | ×       |          | ×       | <b>6</b> . | · ••         | ×            | *     |          | ×   |         |                        | ×      |            |      |  |
|  |   | -           |         |                 |         |          |         |            | -            |              |       |          | •   |         |                        |        |            |      |  |

|      |         | 100 1000   |        | S. S.        | 11 7468 | COMPARTCON |        | ANALYGIC          |                         | +   | TENTATIVE    | Γ   | TRAI                     | NING                 |           | TRA | INTNC | DELIVE | EX DAT     | <     |
|------|---------|--|--------|--------------|---------|------------|--------|-------------------|-------------------------|-----|--------------|-----|--------------------------|----------------------|-----------|-----|-------|--------|------------|-------|
|      |         |  | ALI TY | TASK PER     | ובעוג   | S XIV      | 1 1761 | CAUSE<br>HOTOR HE | SE JOB<br>PEXTAL SAPPLE | T   | SELECT TRAIN |     | HORE JOB TR<br>HO AID DE | JOB TRUKC<br>AID DEV | TASK<br>T | S 7 | TIRNG | TRAT   | TRANS UNIT | TI NE |
| •    | 150.    | Relay On Target Using<br>Manua. Controls                           | v      | ×            |         | ×          |        | , ×               | ×                       |     |              | ×   | ×                        | ×                    |           |     |       | ×      |            |       |
|      |         | Adjust Fire:   |        |              |         |            |        |                   |                         |     |              |     |                          |                      |           |     |       |        |            |       |
|      | 151.    | Apply BOT Using Manual<br>Controls/GAS                             | v      | ×            |         | ×          |        | ×                 | ×                       |     |              | ×   | ×                        | ×                    |           |     |       |        |            |       |
|      | 152.    | Apply Standard Range<br>Correction Using Manual<br>Controls/GAS    | s      | ×            |         | ×          |        | ×                 | ×                       |     |              | ×   | ×                        | ×                    |           |     |       |        |            |       |
|      | 153,    | Resport to Subsequent<br>Fire command Using Manual<br>Controls/GAS | v      | ×            |         | ×          |        | ×                 | .:                      |     |              | ×   | *                        | ×                    |           |     |       |        | *          |       |
| A.04 | axi.    | MAIN GIN TARGET ENCACEMENTS<br>USING HATTLESIGHT GUNNERY           | DFRKT  | YES          | ži.     | YES        | P05    | YES Y             | YES PC                  | 804 | 80 <b>4</b>  | YES | YES N                    | NO YES               | 6         | ••  | 6.    | •      | ٠.         | ٠.    |
|      | 154.    | Apply Lattlesight Cumery   | 3/10   | s            | Ð       | ×          | ••     | ×                 | × .                     |     | ••           | ×   | ×                        | ×                    |           |     |       |        | ×          |       |
| 11-  | 155.    | Moduly Battlesight Aim   | s/c    | w            | 2       | ×          | ٠.     | ×                 | × .                     |     | ••           | ×   | ×                        | ×                    |           |     |       |        |            |       |
| 17   | 156.    | 156., Adjust Fire Using Target.<br>Form                            | s/u    | vs           | ت       | ×          | •••    | ×                 | ~<br>×                  |     | ¢.           | ×   | ×                        | ×                    |           |     |       |        |            |       |
| -    | in.     | XXXII. TARGEI ENGAGEMENT USING<br>RANGE CARD                       | DFRNT  | Š.           | 9.      | YES        | ON     | X VK              | YES NO                  |     | ON           | YES | YES Y                    | YES YES              | N.        |     |       | 6.     | NO         | 61    |
|      | 157.    | Preparet Range Card  | e      |              |         | ×          |        |                   | ×                       |     |              | ×   | ×                        | ×                    | ×         | 3   | 2     |        |            |       |
|      | 158.    | Respond To Range Card Fifre Commands                               | ٩      | • 1          |         | ×          |        |                   | ×                       |     |              | ×   | ×                        | ×                    |           |     |       |        |            |       |
| A!   | XX 111. | RESPOND TO SPECIFIC FAILTRES                                       | DFICKT | %<br>0       | YES     | ă          | Pos    | NO A              | YES POS                 | v.  | POS          | YES | YES Y                    | YES YES              | NO        | ٠.  | 6.    | ٠.     | NO<br>O    | ٠.    |
|      | 159.    | Respond to GPS Fallure   | ۵      | ×            |         |            |        |                   |                         |     |              |     |                          |                      |           |     |       |        |            |       |
|      |         | 3. Tac 715   | 3      |              |         |            |        |                   |                         |     |              |     |                          |                      |           |     |       |        |            |       |
|      |         | b. Fire GAS  | 9      | ( <b>x</b> ) |         |            |        |                   |                         |     |              |     |                          |                      |           |     |       |        |            |       |
|      | 100     | Respon to 115 Failure  | o.     |              |         |            |        |                   |                         |     |              |     |                          |                      |           |     |       |        |            |       |
|      |         | a. tae chs   | 3      |              |         |            |        |                   |                         |     |              |     |                          |                      |           |     |       |        |            |       |
|      |         | by the GAS   | 3      |              |         |            |        |                   |                         |     |              |     |                          |                      | =         |     |       |        |            |       |

|       | XN. TASK LIST  |        | Ĭ        | OAL TASK         | _                       | L'SON AN                         | ANALYSIS |             |          | TENTATIVE                | 14          | TRAINING     | TING                |         |
|-------|--|--------|----------|------------------|-------------------------|----------------------------------|----------|-------------|----------|--------------------------|-------------|--------------|---------------------|---------|
|       |  | ALI TY | ENSK PER | ERFORM<br>!ARDER | PROBLEY<br>TIMIN ASSICT | APOUR TIVAIN ASSICT HOTOS NEWTAL | OTO! NE  |             | SAMPLE S | SOLUTION<br>SELECT TRAIN | <del></del> | HORE JO      | JOB TRNG<br>AID DEV | TASK LY |
| 161.  | Prspon! To Laser Range-<br>finder islure (May Get An<br>Aberra: Pange Or Hone) | 5      |          | *                | ×                       | <b>".</b> .                      | ×        | ×           | 6-       | ۴٠                       | ×           | ×            | ×                   | *       |
|       | a. Determine Fallune ("H"  | 3      |          |                  | ĵ.                      | ٤                                |          | ×           | (3)      | 3                        | )<br>(x)    | (x)          | (x) (x)             |         |
|       | b. Cancel Input  | 3      |          |                  | ×                       | 3                                |          | (x)         | ε        | 3                        | œ           | æ            | ×                   |         |
|       | c. Determine Range Using<br>Non-Sallistic Reticle<br>and Index Into Computer   | (n/s)  | 3        | 3                | ŝ                       | <b>©</b>                         |          | (3)         | (3)      | (3)                      | æ           | æ            | 8                   | Ê       |
|       | d. Index Amounced Range<br>Into Cymputer                                       | Ê      |          | 3                | (x)                     | 3                                |          | 3           | 3        | 3                        | (X)         | ŝ            | (x)                 | (X)     |
|       | e, Tae Lattlesignt Connery   | (n/s)  | (*)      | (E)              | (X)                     | 3                                | (x)      | (X          | (2)      | (3)                      | (X          | (x)          | E                   |         |
| 162.  | teapind to Grosswind School Fallure  | 23     |          |                  | *                       | ē.                               | *        | ×           | ٨.       | •                        | ×           | ×            | ×                   |         |
|       | Determine Failure (")"   | 3      |          |                  | 8                       | ٤                                |          | (X)         | ε        | (3)                      | 8           | (×           | (x) (x)             |         |
|       | b Cancel Input   | 3      |          |                  | (x)                     | 3.5                              |          | (x)         | 0        | (3)                      | ×           | (z)          | *                   |         |
|       | Chang MEAT OF REP  | (n/s)  | 3        | 3                | (x)                     | 3                                | æ        | 33          | 9        | (3)                      | ×           | <b>*</b>     | ž                   |         |
| 16.3  | Perpond to tant Sensor   | :3     |          |                  | ×                       | l e.                             | ×        | ×           | ۲.       | ·.                       | ×           | ×            | ×                   |         |
|       | a. Determine Failure ("2"  | 3      |          |                  | E                       | ε                                |          | (×)         | (3)      | ÷                        | 8           | ( <b>X</b> ) | (x) (x)             |         |
|       | b. Cancel laput  | (5)    |          |                  | (3)                     | 5                                |          | (x)         | ε        | Ĉ                        | ×           | 3            | Œ                   |         |
|       | is Move Vehicle to Level<br>Or Ain Migh in Opposite<br>Direction               | (n/#)  | 3        | 3                | ž                       | 3                                | (x)      | (x)         | ε        | Ĉ                        | 3           | æ            | 8                   |         |
| 16 6. | "e spond To Lead Angle<br>ensor failure (Incorrect<br>(# Inopurative)          | :      |          |                  | ×                       | <b>6</b> -                       | ×        | ×           | •        | ••                       | ×           | *            | ×<br>×              |         |
|       | . Determine Failure ("%"<br>Displayed)   | 3      |          |                  | (x)                     | ε                                |          | <b>(x</b> ) | (3)      | <u>:</u>                 | <b>×</b>    | )<br>(X)     | (x) (x)             |         |
|       | o. Jamel Input   | 3      |          |                  | 3                       | 3                                |          | <b>(X</b> ) | ε        | <b>E</b>                 | ×           | ×            | (x)                 |         |

| THE TASK LIST   |        | I      | OA! TAS         | COMPARISON |     | ANALYSTS                       |     |          | TENTATIVE                |             | TRA         | INING         |        | F                   | MININ                    | DELI | DELIVERY DATA | ATA        |
|---|--------|--------|-----------------|------------|-----|--------------------------------|-----|----------|--------------------------|-------------|-------------|---------------|--------|---------------------|--------------------------|------|---------------|------------|
| (GURNER)  | ALITY  | IASK 1 | EASTER HARDER T | PROTE      | LEH | ILEM CAUSE ASSICN HOTOR MENTAL |     | JOB      | SOLUTION<br>SELECT TRAIN | $\neg \neg$ | NO RE       | HORE JOB TRNG | WC DTD |                     | SKILL TRNC<br>LEVEL TYPE |      | لسلت          | THANS UNIT |
| c. Apply fanual Lead Based<br>Un Armo/Speed                                 | (n/s)  | 3      | 3               | <b>x</b>   | 3   | <b>(x</b> )                    | 3   | 6        | (3)                      | 8           | <b>(x</b> ) | 8             |        |                     |                          |      |               |            |
| 165, Respond To Combined<br>Failures  | ນ      |        |                 | ×          | •   | ×                              | ×   | ٠.       | (3)                      | ×           | ×           | ×             |        | •                   |                          |      |               |            |
| XXXIV. TARGET ENCACEMENTS WITH COAY (MORNAL OR ENERGENCY) (CFS)             | DFRNT  | TES    | 2               | YES        | 22  | YES                            | YES | NO<br>NO | 0 <u>X</u>               | YES         | YES         | NO YES        | S YES  | د <del>ر</del><br>د | ×                        | YES  | NO            | NO         |
| 166, Lay On Target  | n/s    | s/ti   |                 |            |     |                                |     |          |                          |             |             |               |        |                     |                          | ×    |               |            |
| 167, Determine kinge to Target<br>Using LMF/GPS (lase at<br>Base of Target) | a      |        |                 |            |     |                                |     |          |                          |             |             |               |        |                     |                          |      |               |            |
| 168. Fire 15-30 Round Bursts  | a/s    | 3/1    |                 |            |     |                                |     |          |                          |             |             |               |        |                     |                          | ×    |               |            |
| 169. Adjust Coax Fire (GPS)   | a/a    | D/L    |                 |            |     |                                |     |          |                          |             |             |               |        |                     |                          | ×    |               |            |
| a. Apply Malk-in Jechnique  | (n/p)  | (ŋ/p)  |                 |            |     |                                |     |          |                          |             |             |               |        |                     |                          |      |               |            |
| b. Apply 2-Pattern  | (n/p)  | (n/p)  |                 |            |     |                                |     |          |                          |             |             |               |        |                     |                          |      |               |            |
| 6 c. Apply Turret Carry   | (n/p)  | 9      | 3               | (×         |     | (x)                            |     |          |                          | ×·          | ×           | ×             |        |                     |                          |      |               |            |
| XXXV. TARGET ENGAGEMENTS WITH COAX (NORMAL/EMER) (TIS)                      | UNIQUE | YES    | ON              | YES        | ON  | NA                             | Y.  | ON       | NO                       | YES         | YES         | NO YES        | ۲.     | ٠.                  |                          | ۴.   | S S           | ٠,         |
| 170, Determine Range to Target.<br>Using LRF/TIS (Lase on<br>Target Base)   | Þ      |        |                 | ×          |     |                                | ×   |          |                          | ×           | ×           | ×             |        |                     |                          |      |               |            |
| 171. Adjust Coax Fire (TIS)   | n      |        |                 |            |     |                                |     |          |                          |             |             |               |        |                     |                          |      |               |            |
| a. Apply Walk-In Technique  | 3      |        |                 |            |     |                                |     |          |                          |             |             |               |        |                     |                          |      |               |            |
| b. Apply 2-Pattern  | 3      |        |                 |            |     |                                |     |          |                          |             |             |               |        |                     |                          |      |               |            |
| c. Apply Turret Carry   | 3      |        |                 |            |     |                                |     |          |                          |             |             |               |        |                     |                          |      |               |            |
| XXXVI, TARGET ENCACEMENTS WITH COAX (MANGAL) (GAS)                          | SAME   | 0      | ON O            | YES        | Q.  | YES                            | YES | NO<br>NO | NO                       | YES         | YES         | NO YES        | ۲۰     | ۲.                  | ۴.                       | ٥.   | NO            | ٠.         |
| 172, Lay On Target Using Manual<br>Controls/GAS                             | v      |        |                 | ×          |     | ×                              |     |          |                          | ×           | ×           | ×             |        |                     |                          |      |               |            |
| Determine Lange-To-Target:  |        |        |                 |            |     |                                |     |          |                          |             |             |               |        |                     |                          |      |               |            |
| 173. Estimate Range to Cosa Jargest   | s      |        |                 | ×          |     |                                | ×   |          |                          | ×           | ×           | ×             |        |                     |                          |      |               |            |

|        | ST   |                  | 3,6    | MOAL TASK     | 10           |       | ANALYSIS                |           |           | TENTATIVE    |           | TRAINING | NINC                | 1 1  | TRAIN   | 177  | AIVE | X DAT          |      |
|--------|--|------------------|--------|---------------|--------------|-------|-------------------------|-----------|-----------|--------------|-----------|----------|---------------------|------|---------|------|------|----------------|------|
|        | (CUMBER)   | ALI TY           | EAS IE | EASTER HARDER | TRAIN ASSICA |       | CAUSE<br>POTOR   MENTAL |           | SAMPLE    | SELECT TRAIN |           | HO AID   | JOB TRNG<br>AID DEV | TASK | SKILL T | TYPE | DSUT | SUT TRANS UN   | 1180 |
| 174.   | Select Battlesight Range (HEP)                     | W                |        |               | ×            |       |                         | ×         |           |              | ×         | ×        | ×                   |      |         |      |      |                |      |
|        | Fire Coax in 25-30 Round<br>Burnes:                |                  |        |               |              |       |                         |           |           |              |           |          |                     |      |         |      |      |                |      |
| 175.   | Saing Firing Trigger On<br>Manual Elevation Handle | S                |        |               |              |       |                         |           |           |              |           |          |                     |      |         |      |      |                |      |
| 176.   | Seing Fixing Trigger On Sour Machinegun            | w                |        |               | ×            |       | ×                       |           |           |              | ×         | ×        |                     |      |         |      |      |                |      |
| 177.   | Adjust Coax Fire (GAS):                            | 'n               |        |               | ×            |       | ×                       | ×         |           |              | ×         | ×        | ×                   |      |         |      |      |                |      |
|        | a. Apply Malk-In Technique                         | (8)              |        |               | 3            |       | 3                       | ×         |           |              | <b>(X</b> | (×)      | <b>*</b>            |      |         |      |      |                |      |
|        | 5. Apply Z-Pattern                                 | (\$)             |        |               | 3            |       | <b>X</b>                | (×        | · <u></u> |              | ×         | (x)      | *                   |      |         |      |      |                |      |
|        | c. Apply Turnet Carry                              | (e)              |        |               | (x)          |       | 3                       | (x)       |           |              | (X)       | æ        | ( <b>x</b> )        |      |         |      |      |                |      |
| XXXVI. | PRINCE MUTIPLE/SIMULTANE-                          | DFRST            | Č      | NO            | YES          | SOA . | YES                     | YES       | ON.       | POS          | YES       | YES NO   | O YES               | Q.   | ٥,      | ٠.   | ON   | ON             | e.   |
| 178.   | Responsite Multiple Target                         | 3/r              | sv.    | ت             | ×            | ۶.    | *                       | ×         |           | <b>c</b> ·   | ×         | ×        | ×                   |      |         |      |      |                |      |
| 179.   | Sump Automatic lead                                | <b>5</b> .       |        |               | ::           |       |                         | ×         |           |              | ×         | ×        | ×                   |      |         |      |      |                |      |
| 180.   | Respond to himultaneous<br>Fire commanda           | \$/1.            | te.    | υ.            | 186          | ۴٠    | ×                       | ×         |           | ٠.           | ×         | ×        | ×                   |      |         |      |      |                |      |
| XXX    | XXXVIII. TROVBLESHOOT TURKET                       | DFRNT            | NO     | YES           | YES          | POS:  | 0X                      | YES       | POS       | POS          | YES       | YES YES  | S YES               | YES  | -       | ×    | YES  | O <sub>X</sub> | ٥.   |
| · 53   | Sunner Indicator Lights (7)                        | <i>‡</i> ;       |        | ¥.            | ×            | ٠.    |                         | ×         | ٥.        | ٠.           | ×         | ×        | ×                   |      |         |      |      |                |      |
|        | a. Fire Centrol Made Lights (3)                    | (p)              |        |               | <b>x</b>     |       |                         | <b>(x</b> |           |              | æ         | 5<br>(X) | (x) (x)             |      |         |      |      |                |      |
|        | b. Amounttion Select<br>Light                      | ŝ                |        |               | <b>x</b>     |       |                         | (x)       |           |              | <b>x</b>  | (x) (x)  | () (X)              |      |         |      |      |                |      |
|        | c. (an Select Lights (3)                           | (4)              |        |               | (×)          |       |                         | (×)       |           |              | ×         | 5<br>(×) | (x) (x)             |      |         |      |      |                |      |
| 182    | . Fire Control System (24)                         | a                |        | ×             | ≽∷           | ۲۰    |                         | ×         | ¢.        | 6.1          | ×         | ×        | ×                   | YES  | 1       | ×    | ×    | •              | ON.  |
|        | a. Webs Cun Rounds Fail                            | ( <del>g</del> ) |        | (%)           | <b>%</b>     |       |                         | ×         |           |              | 8         | (x) (x)  | (x)                 |      |         | Ü    | (×)  |                |      |
|        |  |                  |        |               |              |       |                         |           |           |              |           |          |                     |      |         |      |      |                |      |

|   |           |             |    |     | - 1.     |     |                    |            | 25.24.70.70.70 | 9              |     | THE ATTENDED | Ī   | Ì    | TPATER  |                | MET TVP | A PAPA | ٢        |
|---|-----------|-------------|----|-----|----------|-----|--------------------|------------|----------------|----------------|-----|--------------|-----|------|---------|----------------|---------|--------|----------|
| (COMMEN)  | - Andrews | TACK PACKOR |    |     | _1 17    |     |                    | 308        | SOLUTION       | 8              | M 0 | NOS TREE     | 2 5 | DITO | SKILL T |                | TEALW   | 1212   | , E      |
| w. Turrec falls to fra-   |           |             | 3  | 3   |          |     | 3                  |            |                | $\mathfrak{E}$ | 1   | 8            | 8   |      |         |                | 8       |        |          |
| x. Nuin Gam Faile to<br>Elevate/Depress-                                    | 3         |             | 3  | 8   |          |     | 8                  |            |                | 3              | 8   | 8            | (8) |      |         | •              | 3       | 7      |          |
| y. Unable to Fire Using GRE's Control Rendle                                | ŝ         |             | ×  | 3   |          |     | $\hat{\mathbf{E}}$ |            |                | 8              | 8   | 8            | (x) |      |         |                | 3       |        |          |
| 183. Coaxial Hachinegen (1)   | <b>v</b>  |             |    | H   |          | ×   | ×                  | <b>8</b> + |                | ×              | ×   | ×            | ×   |      |         |                |         |        |          |
| a. Fails to Fire  | 3         |             |    | 3   |          | 3   | *                  |            | بعاني ع        | æ              | 8   | 3            | (X) |      |         |                |         |        |          |
| 184. Auxiliary Systems  | w .       |             |    | ×   |          |     | ×                  |            |                | ×              | ×   | ×            | ×   |      |         |                | ×       |        |          |
| a. GNR's Gas Particu-<br>late Mester Pails<br>to Mest                       | 3         |             |    | 3   |          |     | 3                  |            |                | 3              | 8   |              |     | 8    |         | $\mathfrak{E}$ | æ       |        |          |
| XXXIX. PERFORM DURING-FIRE<br>PHCs (TASK :62, as<br>needed)                 | DFROT     | 2           | 9  | ğ   | <u>s</u> | 9   | Z                  | 2          | Ş.             | TES            | YES | MO 1         | NO  | TES  | -       | ×              | TES     | 9      | <u>e</u> |
| 185. Check Coax Operation   | <b>"</b>  |             |    | ×   |          |     | ×                  |            |                | ×              | ×   |              |     | ×    | -       | ×              | ×       |        |          |
| XXXX. PERFORM: AFTER-FIRE PNCS<br>(TASKS #19, 22-37, 50,<br>52, 53, 54, 71) | Denort    | 2           | ž  | YES | 2        | ž   | YES                | ğ          | 2              | TES            | 2   | 0x           | 0 % | TES  | -       | *              | 2       | ē      | 2        |
| 186. Check GAS Nounting   | <b>a</b>  |             |    | ×   |          | ×   |                    |            |                | ×              | ×   |              |     |      |         |                | ×       |        |          |
| 187. Field Strip and Chack<br>Coax Parts                                    | W         |             |    |     |          |     |                    | ••         |                |                |     |              |     | ×    | -       | ×              | ×       |        |          |
| 106. Clean and labricate<br>Coax  | •         |             |    |     |          |     |                    |            |                |                |     |              |     | ×    | -       | *              | ×       |        |          |
| XXXII. LUBRICATE DE ACCORDENC<br>TO LUBRICATION OFFER (LO)                  | peron     | 9           | ភ្ | TES | 0%       | YES | YES                | 808        | Š.             | Ž.             | YES | 725 )        | 8   | 22   | -       | 2              | Q<br>Q  | Ŏ.     | ••       |

TABLE III
XXX LIST
(LOADER)

| XMI TASK LIST   |          | 担      | 241 145   | COPEA | KISON A      | MALYSI |        | 1 1    | TENTATIVE    | Г   | TIV         | TRAINING    | 1 1           | TRAIL                    | TING D | ELIVE          | TRAINING DELIVERY DATA | П    |
|---|----------|--------|---|-------|--------------|--------|--------|--------|--------------|-----|-------------|-------------|---------------|--------------------------|--------|----------------|------------------------|------|
| (TOADER)  | ALLTY    | EASTE! | ALITY EASTER! HARDER TRAIN! ASSECT HOTOR HENTAL | TEALE | LEN<br>SETON | HOTOR  | HEDTAL | SAMPLE | SELECT TRAIN | 77  | R<br>오<br>오 | JOB TRNC    | DTD<br>TASK 1 | SKILL TIME<br>LEVEL TYPE |        | SUT            | TRAINING SITE          |      |
| L. PERFORM BEFORE OPERATION PMCS (EXTERIOR)                 | Derort   | ê      | YES   | Z Z   | 2            | Ž.     | 115    | 9      | <b>Q</b>     | YES | YES         | TES NO      | YES           | -                        | H      | TES            | YES                    | OM . |
| 1. Check Vehicle Exterior                                   | ٩        |        |   |       |              |        |        |        |              |     |             |             |               |                          |        | ×              |                        |      |
| 2. Check Spenson Equipment<br>Stounge For Complete-<br>ness | ٥        |        |   | ×     |              |        | ×      |        |              | ×   | ×           | *           |               |                          |        |                |                        |      |
| 3. Check Exterior Threst<br>Stownge                         | 6        |        |   | ×     |              |        | ×      |        |              | ×   | ×           | ×           |               |                          |        |                | H                      |      |
| 4. Class Loader Exterior Optics                             | 5        |        |   |       |              |        |        | •      |              |     |             |             | ×             | -                        | ×      | ×              | ×                      |      |
| 5. Erect/Service Crosswind<br>Sensor                        | Þ        |        |   |       |              |        |        |        |              |     |             |             |               |                          |        | ×              | ×                      |      |
| 6. Install Loader's M240<br>Machinegun                      | 5        |        |   | ×     |              | ×      | ×      |        |              | ×   | ×           |             | ×             | 7                        | ×      | ×              | : ×                    |      |
| II. PREPART LINGER'S STATION FOR OPERATIONS (TASKS #746)    | DFEDT    | NO.    | YES   | YES   | Ĉ.           | YES    | YES    | 98     | <u>0</u>     | YES | YES         | YES YES NO  | YES           |                          | *      | YES            | YES                    | Q    |
| 7. Open Loader's Hatch<br>(Outside)                         | ۵        |        |   |       |              |        |        |        |              |     |             | <del></del> |               |                          |        | ×              | ×                      |      |
| a. Unlock/Stow Lock   | 3        |        |   |       |              |        |        |        |              |     |             |             |               |                          | Ŭ      | <b>X</b>       | <b>(X</b>              |      |
| b. Raise Ldr's Hatch To<br>Locked Position                  | 3        |        |   |       |              |        |        |        |              |     |             |             |               |                          |        | ×              | æ                      |      |
| 8. Mter losder's Station                                    | <u> </u> |        |   |       |              |        |        |        |              |     |             |             |               |                          |        | ×              | ×                      |      |
| 9. Operate Domelight  | ۵        |        |   |       |              |        |        |        |              |     |             |             |               |                          |        | ×              | H                      |      |
| a. Select Pilters (Bod/<br>Waite)                           | 3        |        |   |       |              |        |        |        |              |     |             |             |               |                          | •      | <b>(X</b>      |                        |      |
| b. Turn 011/0FF   | 3        |        |   |       |              |        |        |        |              |     |             |             |               |                          |        | $\mathfrak{E}$ | <b>(X)</b>             |      |
| c. Mjust Brightness   | 3        |        |   |       |              |        |        |        |              |     |             |             |               |                          |        | $\mathfrak{E}$ |                        |      |
| 10. Power Up Loader's Station                               | 5        |        |   | ×     |              |        | н      |        | ميسن         | ×   | ×           | ×           |               |                          |        | ×              |                        |      |
| a. Check Turret Power<br>Light OH                           | 3        |        |   |       |              |        |        |        |              |     |             |             |               |                          |        | æ              |                        |      |

| ENT TASK LIST<br>(LOADER)                       | HEGOTO TASK PE   | AL TASK<br>RFORM<br>HARDER | AACH<br>PEO | ALISON ANALYSIS LLEN CAUSE ASSICN HOTOR HENTAL | JOB<br>SAMPLE. | TENTATIVE<br>SOLUTION<br>SELECT TAXEN | TRA<br>HOME<br>HO | TRAINING<br>NE JOB TRNG<br>O AID DEV | DTD | TRAINING<br>SKILL TRNG<br>LEVEL TYPE | 1 1 15 4 | 2 3 2       | 4 1 5 |
|---|------------------|----------------------------|-------------|--|----------------|---------------------------------------|-------------------|--------------------------------------|-----|--------------------------------------|----------|-------------|-------|
| b. Check Main Gun<br>Status Safe Light ON       | (n)              |                            | 1606        |  |                |                                       |                   |                                      |     | Į.                                   | æ        | •           |       |
| c. Check Turret Blover<br>le Off                | (B)              |                            |             |  |                |                                       |                   |                                      | -,  |                                      | ×        | •           |       |
| d. Check Com Turret<br>Drive Manual Light<br>OM | (ii)             |                            |             |  |                |                                       |                   |                                      |     |                                      | 8        | _           |       |
| 11. Operate Radio Set With<br>Intercom System   | •                |                            | ×           | ×  |                | ×                                     | ×                 | ×                                    |     |                                      | ×        | ×           |       |
| a. Connect/Disconnect<br>CVC Helmet To Intercom | 3                |                            |             |  |                |                                       |                   |                                      | æ   | 7                                    | (x) (x)  | _           |       |
| b. Turn Amplifier ON/                           | 3                |                            |             |  |                |                                       |                   |                                      |     |                                      | E        | <b>(X)</b>  |       |
| c. intercom Mithaut<br>Remote Control           | <b>©</b>         |                            |             |  |                |                                       |                   |                                      |     |                                      | 8        | _           |       |
| 12. Adjust Loader's Seat and Platform           | A                |                            |             |  |                |                                       |                   |                                      |     |                                      | ×        | ×           |       |
| a. Raise/Lover idr's<br>Sast                    | ଚ                |                            |             |  |                |                                       |                   |                                      |     |                                      | *        | <b>(X</b> ) |       |
| b. haise/Lover idr's<br>Platform                | ê                |                            |             |  |                |                                       |                   |                                      |     |                                      | æ        | <b>(X)</b>  |       |
| 13. Operate Loader's Hatch<br>From Inside Tank  | ۵                |                            |             | ·  |                |                                       |                   |                                      |     |                                      | ×        | ×           |       |
| <pre>a. Open/Close ldr's Hatch (Inside)</pre>   | ê                |                            |             |  |                |                                       |                   |                                      |     |                                      | ×        | •           |       |
| b. Lock/Unlock Ldr's (latch (Inside)            | €                |                            |             |  |                |                                       |                   |                                      |     |                                      | ×        | (x)         |       |
| 14. Install Loader's Pertacopes                 | ۵                |                            | ×           | ×  |                |                                       |                   |                                      |     |                                      | ×        | *           |       |
| e. Install Ldr's Day<br>Periscope               | ( <del>Q</del> ) |                            |             |  |                |                                       |                   |                                      |     |                                      |          |             |       |
| b. Install Dvr/ldr's<br>Night Vision Viewer     | 3                |                            |             |  |                |                                       |                   |                                      |     |                                      |          |             |       |
| c. Operate Might Vision<br>Viewer (AM/WVS2)     | 3                |                            | æ           | *  |                | *                                     | æ                 |                                      | ×   | 1 (x)                                | (x)      | <b>(X)</b>  |       |

|     |   |                 |      |      |     |   |          |       |        |                          | 1    |                          |        |                 |  |        |                |                         | ſ       |
|-----|---|-----------------|------|------|-----|---|----------|-------|--------|--------------------------|------|--------------------------|--------|-----------------|--|--------|----------------|-------------------------|---------|
|     | (LOADER)                                  | ALITY EASIER HA | TASK | RDER | N N |   | NOTOR NE | ENTAL | SAPPLE | SOLUTION<br>SELECT TRAIN |      | HORE JOB TRNG HO AID DEV | TRNC   | DTD S<br>TASK 1 | SKILL TRIC TAINING SITE LEVEL TYPE OS:T TRANS UN | Tre os | ATINT<br>T. T. | NING SITE<br>TRANS UNIT |         |
| 15. | Install Loader's Cuards                   | Þ               |      |      |     |   |          |       |        |                          |      |                          |        |                 |  |        |                |                         |         |
| 16. |   | Þ               |      |      |     |   |          |       |        |                          |      |                          |        |                 |  | •      | *              | ×                       |         |
|     | Pitring PERFORM BEFORE OPPLATIONS         |                 | 2    | 12   | 2   | 2 | 9        | 2     | 9      | 2                        | TES  | YES YES NO               | 9      | TES             |  | F      | YES            | I SAX                   | ç       |
|     | MCS (INTRIOR)                             |                 | ì    | 3    | 2   |   |          |       | }      | }                        |      |                          | 2      | 3               |  |        |                |                         | 2       |
| 17. | Check Hydraulic System<br>Oil Reservoir   | ۵               | ×    | ×    | ×   |   |          | ×     |        |                          | ×    | ×                        |        |                 |  | _      | ×              | _                       |         |
|     | a. Check Hydraulic<br>Reservoir Oil Lavel | 3               | Œ    |      |     |   |          |       |        |                          |      |                          |        |                 |  | S      | (X)            | 2                       | •       |
|     | b. Check For Hydraulic<br>Leaks           | 3               |      | 3    | 3   |   |          | 3     |        | •                        | E    | (x) (x)                  |        |                 |  | S      | :<br>E         | Œ,                      | •       |
|     | c. Chack Filter Bypass<br>Buttons         | 3               |      |      |     |   |          |       |        |                          |      |                          |        |                 |  | S      | ن<br>3         | 3                       |         |
| ži  | OPERATE FIRE CONTROL.<br>RECEIVEMENT      | TO LO           | 2    | 725  | TES | 9 | TES      | YIES  | 8      | <u>e</u>                 | 77.5 | YES NO                   | 0      | TES             | -  | ×      | TES TE         |                         | QN<br>Q |
|     | Operate Main Cun Kleva-                   |                 |      |      |     |   |          |       |        |                          |      |                          |        |                 |  |        |                |                         |         |
| =   | Unlock/Stow i.evel Lock                   | ۵               | ×    |      |     |   |          |       |        |                          |      |                          |        |                 |  | Î      | ×              |                         |         |
|     | Lock Travel Lock                          | ۵               | ×    |      |     |   |          |       |        |                          |      |                          |        |                 |  |        | ×              |                         |         |
|     | Operate Turret Traverse                   |                 |      |      |     |   |          |       |        |                          |      |                          |        |                 |  |        |                |                         |         |
| 20. | Unlock Barret Traverse<br>Lock            | to.             |      |      |     |   |          |       |        |                          |      |                          | -111-1 |                 |  | ×      | ×              |                         |         |
| 21. | Lock Turnet Traverse<br>Lock              | 49              |      |      |     |   |          |       |        |                          |      |                          |        |                 |  | ×      | ×              |                         |         |
|     | Operate Main Gun Breech:                  |                 |      |      |     |   |          |       |        |                          |      |                          |        |                 |  |        |                |                         |         |
| 22. | Open Mais Gun Breach<br>Memisliy          |                 |      |      |     |   |          |       |        |                          |      |                          |        |                 |  | ×      | ×              |                         |         |
| 23. | Close Main Oun Breach<br>Manually         |                 |      |      |     |   |          |       |        |                          |      |                          |        |                 |  | ×      | <b>H</b>       |                         |         |
|     |   |                 |      |      |     |   |          |       | •      |                          |      |                          | •      |                 |  |        |                |                         |         |

|          |   |          |               |     | 20014                   | M AWAIVETE |                    |           | -        | TOTAL PART OF | T    | TRATECT       |             |         | TRITHING DELIVERY        | C Dec. | VERY DAT   | N.   |
|----------|---|----------|---------------|-----|-------------------------|------------|--------------------|-----------|----------|---------------|------|---------------|-------------|---------|--------------------------|--------|------------|------|
|          | (Loader)  | ALITY    | EASTER BARDER |     | PROBLEM<br>TRATH ASSICH | והו ו.     | CAUSE<br>OK NEWTAL | AL SAIPLE |          | SELECT TRAIN  | ~~~~ | HORE JOS TRMC |             | DTD SKI | SKILL TING<br>LEVEL TYPE | F OSUT | TRAINING S | TIME |
|          | Operate Nata Oper                                       |          |               |     |                         |            |                    |           |          |               |      |               |             |         |                          |        |            |      |
| 24.      | 24. Land Halm Own                                       | 0        |               | ×   | ×                       | ×          | ×                  | ••        | <b>,</b> |               | ×    | ×             | <u>×</u>    | -       | ×                        | ×      | *          |      |
| ä        | Unione Hain Com   | ۵        |               |     | ×                       | ×          | ×                  | •         |          |               | ×    | ×             |             | 1       | ×                        | ×      | Ļ          |      |
| <b>5</b> | Perform Hain One Hennel<br>Round Extraction             | •        |               |     | ×                       | ×          | ×                  |           | -        |               | ×    | ×             |             | ×       | <b>H</b>                 |        |            | ×    |
|          | Operate Couriel<br>Nachingung:                          |          |               |     |                         |            |                    |           |          |               |      |               |             |         |                          |        |            |      |
| 27.      | Load M240 Coax Machine-<br>gus Ready Assumittion<br>Nox | <b>a</b> |               |     |                         |            |                    |           |          |               |      |               |             |         |                          | ×      | ×          |      |
| z        | Clear NO40 Conx<br>Machidagus                           | ۵        |               |     | *                       |            | H                  | ••        |          |               | ×    | ×             |             |         |                          | ×      |            |      |
|          | Unional MCAO Conx<br>Machinegen                         | ۵        |               |     |                         |            |                    |           | <u> </u> |               |      |               |             |         |                          |        |            |      |
|          | Operate Londor's  |          |               |     |                         |            |                    |           |          |               |      |               |             |         |                          |        |            |      |
| ż        | Last N240 Hechingum                                     | ۵        |               |     |                         |            |                    |           |          |               |      |               |             |         |                          | •      |            |      |
| 'n.      | Pire Who inchingum                                      | ۵        |               |     |                         |            |                    |           |          |               |      |               |             |         |                          | ×      |            |      |
| 32.      | Change #240 Machinegun<br>Marrel                        | ۵        |               |     |                         |            |                    |           |          |               |      |               |             |         |                          |        |            |      |
| ĸ.       | Clear 1240 Nachinegus                                   | ۵        |               |     | <b>*</b>                |            | ×                  | •-        |          |               | ×    | ×             | ×           |         | ×                        | ×      |            |      |
|          | Operate N250 Grenode<br>Legscher:                       |          |               |     |                         |            |                    |           |          |               |      |               |             |         |                          |        |            |      |
| ż        | Load N250 Greende<br>Lauecher                           | w        |               |     |                         |            |                    |           |          |               |      |               | ×           | -       | ×                        | ×      | ×          |      |
| 35.      | Uniced NZ50 Greecie<br>Launcher                         |          |               |     |                         |            |                    |           |          |               |      |               |             | x 1     | ×                        | ×      | ×          |      |
| 7        | STOP HAIN CUN AMED                                      | TIGING   | 0             | YES | TES NO                  | ZE .       | 9                  | N         |          |               | ×    | ×             | <u>&gt;</u> | YES 1   | ×                        | YES    | YES        | NO   |
|          | Operate Leady Americation Compartment Boogs             |          |               |     |                         |            |                    |           |          |               |      |               |             |         |                          |        |            |      |
| ž.       | Open/Close Ready Boor<br>Automatically                  | <b>5</b> |               |     | ×                       | *          |                    |           | -        |               | ×    | ~<br>×        |             |         |                          | ×      | ×          |      |

|                 | XM TASK LIST<br>(LOADER)                              | ALITY      | HEOV<br>TASK PE<br>EASTER | L TASK C | CONFARISON A<br>PROBLEM<br>TRAIN ASSICN | N ANALYSIS<br>CAUS<br>CN NOTOR H | MALYSIS<br>CAUSE<br>HOTOR HENTAL | JOB | TENTATIVE<br>SOLUTION<br>SELECT TRAIN | <del> </del> | TRAINING HORE JOB TRNG HO AID DEV | JOB TRMC | DTD S | TRAINING<br>SKILL TRNG<br>LEVEL TYPE | TRNC DEL | TRAINING DELIVERY DATA | SITE<br>SITE |
|-----------------|---|------------|---------------------------|----------|---|----------------------------------|----------------------------------|-----|---------------------------------------|--------------|-----------------------------------|----------|-------|--------------------------------------|----------|------------------------|--------------|
| 37.             | Open/Close Ready Door<br>Hemuelly                     | 5          |                           |          | ×                                       | ×                                |                                  |     |                                       | ×            | ×                                 | ×        |       |                                      | ×        | ×                      |              |
|                 | Operate Semi-Ready<br>Ammunition Compartment<br>Door: |            |                           |          |   |                                  |                                  |     |                                       |              |                                   |          |       |                                      |          |                        |              |
| Ŕ               | 1. Open Semi-Ready Door<br>Menually                   | Þ          |                           |          | ×                                       | ×                                |                                  |     |                                       | ×            | ×                                 | ×        |       |                                      | ×        | ×                      |              |
| 39.             | . Close Semi-Ready Door<br>Hanually                   | Þ          |                           |          | ×                                       | ×                                |                                  |     |                                       | ×            | ×                                 | ×        |       |                                      | ×        | ×                      |              |
|                 | Operate Hall Assumition<br>Compartment Door:          |            |                           |          |   |                                  |                                  |     |                                       |              |                                   |          |       |                                      |          |                        |              |
| •0•             | ). Open Hull Ammo Door<br>Manually                    | Þ          |                           |          | ×                                       | ×                                |                                  |     |                                       | ×            | ĸ                                 | ×        |       |                                      | ×        | ×                      |              |
| 41.             | . Close Hall Asso Door<br>Manually                    | 5          |                           |          | ×                                       | ×                                |                                  |     |                                       | ×            | ×                                 | ×        |       |                                      | ×        | H                      |              |
|                 | Stouj wastow 1-0:                                     |            |                           |          |   |                                  |                                  |     |                                       |              |                                   |          |       |                                      |          |                        |              |
| .23             | . Inspect Ammo and Prepare<br>It For Stownge          | <b>6</b> 5 |                           |          |   |                                  |                                  |     |                                       |              |                                   |          | ×     | 1 ¥                                  |          |                        |              |
| <del>(</del> 3, | . Stow Aumo in Hull Stowige<br>Racks                  | ۵          |                           |          | ×                                       | ×                                |                                  |     |                                       | *            | ×                                 |          |       |                                      | ×        | ×                      |              |
| <b>;</b>        | . Stow Ammo In Ready Ammi-<br>mitton Compartment      | ۵          |                           |          |   |                                  |                                  |     |                                       |              |                                   |          |       |                                      | ×        | ×                      |              |
| 45.             | . Stow Rounds in Semi-Ready<br>Ammunition Compartment | Þ          |                           |          | ×                                       | ×                                |                                  |     |                                       | ×            | ×                                 |          |       |                                      | ×        | ×                      |              |
| .9              | Stow in Turret Floor<br>Ready Macks                   | ۵          |                           |          |   |                                  |                                  |     |                                       |              |                                   |          |       |                                      | ×        | *                      |              |
| 47.             | . Remove Stowed Round From                            | ۵          |                           |          |   |                                  |                                  |     |                                       |              |                                   |          |       |                                      | ×        | ×                      |              |
| VI.             | OPERATE COMMICATION SYSTEM                            | SAME       | ОЖ                        | 011      | YES POS                                 | YES                              | YES                              | 202 | POS                                   | YES          | YES NO                            | NO       | YES   | <br>H                                | N X      | NO                     | ۴۰           |
| .9              | 46. Install/Remove Radio Set                          | ۵          |                           |          | ×                                       | ×                                |                                  |     |                                       | ×            | ×                                 |          | ×     |                                      | ×        |                        |              |
| .63             | . Operate Amplifier (AM<br>1780/VRC)                  | v          |                           |          | ĸ                                       |                                  | ĸ                                | ٠.  | *                                     | ×            | ×                                 | 27       | ×     | -                                    | ×        |                        |              |
| 20,             | 50. Operate Frequency Selector Convrol (C-2742/VRC)   | 80         |                           |          | ×                                       |                                  | ×                                |     | ×                                     | ×            | ×                                 |          | ×     | ٠<br>۲                               | ×        |                        |              |

|  |       |        |     |           |     |                       |          | -               |                          |      |      | 0000                        | L        | 1  | 7           | 100000000000000000000000000000000000000 | 1             |      |
|--|-------|--------|-----|-----------|-----|-----------------------|----------|-----------------|--------------------------|------|------|-----------------------------|----------|----|-------------|---|---------------|------|
|  | ALITY | TASK P | 네덜네 | PRO       |     | CAUSE<br>HOTOR NEWTAL |          | JOB<br>SAMPLE S | SOLUTION<br>SELECT TRAIN | KATE | HORE | HORE JOB TRMG<br>HO AID DEV | 7 TASK   | 83 | LL TRUG     | AT SO                                   | TEAINING SITH | TIME |
| 51. Operate Receiver/Trans-<br>mitter (NT-246/VMC) | s     |        |     | ×         |     |                       | ĸ        |                 | ×                        | ×    | ×    |                             | ×        | -  | bù          |   |               |      |
| 52. Operate Auxiliary Ra-<br>ceiver (R-442/VRC)    | v     |        |     | ×         |     |                       | ×        |                 | ×                        | ×    | ×    |                             | ×        | П  | ×           |   |               |      |
| 53. Operate Receiver/Transmitter (AN/VRC-64)       | vi    |        |     | ×         |     |                       | ×        |                 | \$<                      | ×    | ×    |                             | <u>*</u> | 7  | ×           |   |               |      |
| 54. Install/Remove Antennas                        | vs    |        |     | ×         |     |                       | ×        |                 |                          |      |      |                             | ×        | -  | ×           | ×                                       |               |      |
| a. Transmitter Antenna                             | 3     |        |     | <b>(X</b> |     |                       | (x)      |                 |                          |      |      |                             | ×        | Ξ  | æ           | 3                                       |               |      |
| b. Receiver Antenna                                | 3     |        |     | *         |     |                       | ا الآجيم |                 |                          |      |      |                             | Ě        | Ξ  | æ           | (x)                                     |               |      |
| 55. Stow/Unstow Antennas                           | ۵     |        |     |           |     |                       |          |                 |                          |      |      |                             | ×        | 1  | ×           | ×                                       |               |      |
| 56. Tie-Down Antennas                              | ۵     |        |     | ×         |     |                       | ×        | -               |                          |      |      | ×                           | ×        | 7  | ×           |   |               |      |
| 57. Pruset Tactical Radios                         | v     |        |     | ×         |     |                       | ×        |                 |                          |      |      | ×                           | ×        | 1  | 2           |   |               |      |
| 58. Maintain Radin Set                             | v     |        |     | ×         |     |                       | ×        |                 |                          |      |      | ×                           | ×        | 7  | ×           |   |               |      |
| VII. OPERATE GAS PARTICULATE<br>PILITER SYSTEM     | SAME  | 9      | ON. | 2         | 9   | C.                    | 0        | . 08            | Q.                       | NO.  | £    | ON ON                       | O YES    | v, | ×           | YES                                     | YES           | NO   |
| 59. Stow/Unstow Protective<br>Mask (12.)           | v     |        |     |           |     |                       |          |                 |                          |      |      |                             | _        |    |             |   |               |      |
| 60. Clear and Seal Mask                            | s     |        |     |           |     |                       |          |                 |                          |      |      |                             | ×        | -  | ×           |   |               |      |
| 61. Check Filter, Hose and<br>Connectors           | vs    |        |     |           |     |                       |          |                 |                          |      |      |                             | ×        | -  | <b>&gt;</b> |   | ×             |      |
| 62. Check Intercom Connection                      | s     |        |     |           |     |                       |          |                 |                          |      |      |                             | -        |    |             |   |               |      |
| 63. Check Heater Lamp Light                        | s     |        |     |           |     |                       |          |                 |                          |      |      |                             | _        |    |             |   | ×             |      |
| 64. Adjust Heater Temperetura                      | s     |        |     |           |     |                       |          |                 |                          |      |      |                             | _        |    |             |   | ×             |      |
| VIII. OPERATE FIRE EXTINGUISHERS                   | DFRNT | NO     | YES | NO<br>Q   | ON. | NO<br>NO              | NO<br>NO | Q.              | NO<br>No                 | ON   | NO N | NO NO                       | YES      | 2  | ×           | YES                                     | YES           | S C  |
| 65. Operate External Fire<br>Extinguisher Handle   | vs    |        |     |           |     |                       |          |                 |                          |      |      |                             | _        |    |             |   |               |      |
| 66. Operate Portable Fire<br>Extinguisher          | w     |        |     |           |     |                       |          |                 |                          |      |      |                             | _        |    |             |   |               |      |
|  |       |        |     |           |     |                       |          | •               |                          |      |      |                             | =        |    |             |   |               |      |

|         | XH TASK LIST<br>(LOADER)  | ALITA      | TASK<br>EASTE  | HOAL TASK TERFORM EASIER HARDER | FROBLEN<br>FREEIN ASSIG | RISON A | CONFRACTISCH ANALYSIS PROBLEM CAISE TRAIN ASSIGN HOTOR HENTAL |       | SAMPLE  | TENTATIVE<br>SOLUTION<br>SELECT TRAIN |     | HORE. | TRAINING<br>IRE JOB TRUG<br>IO AID DEV | TASK | S = 1    | TRAINING DELIVERY TIL TRNG TRAININ | DELLY              | TRAINING SITE | × 111    |
|---------|---|------------|----------------|---------------------------------|-------------------------|---------|---|-------|---------|---------------------------------------|-----|-------|--|------|----------|------------------------------------|--------------------|---------------|----------|
| ė       | . Check Pressure Gauges<br>(Reference Ambient Temper-<br>ature) and Secure Younts | <b>5</b>   |                |                                 |                         |         |   |       |         |                                       |     |       |  |      |          |                                    |                    |               |          |
| 3       | . Maintain Pire Sensor<br>Lenses  | Þ          |                |                                 |                         |         |   |       |         |                                       |     | •     |  |      |          |                                    | ×                  |               |          |
| 비       | OPERATE CA/UTILITY OUTLET<br>CONTROLS   | UNIQUE     | \$             | NA<br>NA                        | ON C                    | OX.     | ON N  | ON ON | ON      | <b>X</b> 0                            | 9   | NO N  | NO NO                                  | Š.   | <b>6</b> | ••                                 | 9                  | YES           | <i>~</i> |
| 2       | 69. Operate Darret Metworks<br>Box  | Þ          |                |                                 |                         |         |   |       |         |                                       |     |       |  |      |          |                                    |                    | ×             |          |
|         | a. Open/Close Metworks<br>Door  | <b>(3)</b> |                |                                 |                         |         |   |       | ·       |                                       |     |       |  |      |          |                                    |                    | <b>x</b>      |          |
|         | b. Turn OH/OFF Che  | 3          |                |                                 |                         |         |   |       |         |                                       |     |       |  |      |          |                                    |                    | 8             |          |
|         | r. Reset Ch   | <b>(3)</b> |                |                                 |                         |         |   |       | .,      |                                       |     |       |  |      |          |                                    |                    | 3             |          |
| ii<br>š | , Operate Utility Outlet/<br>Not Oup  | b          |                |                                 |                         |         |   |       |         |                                       |     |       |  |      |          |                                    |                    | ×             |          |
| 1-7     | a. Rorove Utility Cap   | 3          |                |                                 |                         |         |   |       |         |                                       |     |       |  |      |          |                                    |                    | ž             |          |
|         | b. Install/Operate/<br>Remove Hot Oup   | 9          |                |                                 |                         |         |   |       |         |                                       |     |       |  |      |          |                                    |                    | 8             |          |
|         | c. Install Utility Cap  | (3)        |                |                                 |                         |         |   |       |         |                                       |     |       |  |      |          |                                    |                    | æ             |          |
| ×       | PREPARE WEAPONS FOR TRAVEL  | THEFT      | YES            | 9                               | Q <b>X</b>              | NO      | NO  | 9     | ON<br>O | NO<br>O                               | ON. | NO NO | ON O                                   | ×    | <u>.</u> | ×                                  | TES                | NO            | NO       |
| 7       | 71. Prepare Main Cun for<br>Travel  | <b>a</b>   | H              |                                 |                         |         |   |       |         |                                       |     |       |  |      |          |                                    | × .                |               |          |
|         | a. Clear Main Gun   | €          | 8              |                                 |                         |         |   |       |         |                                       |     |       |  |      |          |                                    | 3                  |               |          |
|         | b. Lock Elevation Lock  | Ð          | 3              |                                 |                         |         |   |       |         |                                       |     |       |  |      |          |                                    | 8                  |               |          |
|         | c. Set GUN SELECT Switch<br>to SAFE   | 3          | $\mathfrak{E}$ |                                 |                         |         |   |       |         |                                       |     |       |  |      |          |                                    | æ                  |               |          |
| 7.      | 72. Prepare M240 Coax<br>Machinegum for Travel                                    | A          |                |                                 |                         |         |   |       |         |                                       |     |       |  |      |          |                                    | ĸ                  |               |          |
|         | e. Clear Coax Machinegum  | 9          |                |                                 |                         |         |   |       |         |                                       |     |       |  |      |          |                                    | 3                  |               |          |
|         | b. Remove Amunition Belt  | €          |                |                                 |                         |         |   |       |         |                                       |     |       |  |      |          |                                    | £                  |               |          |
|         | c. Stow Amendition Belt   | (P)        |                |                                 |                         |         |   |       |         |                                       |     |       |  |      |          |                                    | $\hat{\mathbf{x}}$ |               |          |

| DH TASK LIST<br>(LOADER)                                | ALITY | LASK | HEOAL TASK PERFORM |     | PROBLEM<br>TRAIN ASS. | AMALYSIS<br>CAUS | R AKALYSIS<br>CAUSE | JOB | TENTATIVE<br>SOLUTION<br>SELECT TRAIN | I VE | TRAI<br>HORE J | TRAINING<br>ORE JOB TRMC |     | TRAINING<br>DTD SKILL TING<br>TASK LEVEL TYPE | TRAINING<br>SKILL THNG<br>LEVEL TYPE | TRAINING DELIVERY TILL TIENG TRAINING VEL TYPE OSUT TR | TRAINING SITE<br>SUT I TRAIS LITE |          |
|---|-------|------|--------------------|-----|-----------------------|------------------|---------------------|-----|---------------------------------------|------|----------------|--------------------------|-----|---|--------------------------------------|--|-----------------------------------|----------|
| 73. Prepare Loader's Machine-<br>gun for Travel         | Þ     |      |                    |     |                       |                  |                     |     |                                       |      |                |                          |     |   |                                      | ×  |                                   |          |
| a. Clear Londer's<br>Machinegus                         | 3     |      |                    |     |                       |                  |                     |     |                                       |      |                |                          | æ   | 1   | 3                                    | 3  |                                   |          |
| b. Stow Assessitation                                   | 3     |      |                    |     |                       |                  |                     |     |                                       |      |                |                          |     |   |                                      | <b>(X</b> )  |                                   |          |
| c. Point Machinegum<br>Toward Front of Tank             | 3     |      |                    |     |                       |                  |                     |     |                                       |      |                |                          | ,,  |   |                                      | 8  |                                   |          |
| d. Lock Skate Ming Lock                                 | 3     |      |                    |     |                       |                  |                     |     |                                       |      |                |                          |     |   |                                      | *  |                                   |          |
| e. Lock Azimsth Lock                                    | 9     |      |                    |     |                       |                  |                     |     |                                       |      |                |                          |     |   |                                      | *  |                                   |          |
| f. Lock Elevation Lock<br>Pin                           | 3     |      |                    |     |                       | •                |                     |     |                                       |      |                |                          |     |   |                                      | 8  |                                   |          |
| 74. Prepare M250 Granade<br>Launcher for Travel         | ۵     |      |                    |     |                       |                  |                     |     |                                       |      |                |                          |     |   |                                      | ×  |                                   |          |
| a. Thlock M250 Grenade<br>Launchers                     | 9     |      |                    |     |                       |                  |                     |     |                                       |      |                |                          |     |   |                                      | 3  |                                   |          |
| b. Install M250 Cemade Launcher Covers                  | 9     |      |                    |     |                       |                  |                     |     |                                       |      |                |                          |     |   |                                      | 3  |                                   |          |
| IL. PERFORM "DURING" OPERATION<br>PMCS (REPEAT TASK #1) | To a  | 2    | 2                  | 2   | 9                     | 2                | 2                   | 9   | Ş                                     | 2    | 0              | ON ON                    | YES | 1   | ×                                    | Z.   | C R                               | NO<br>NO |
| XII. POWER DOWN AND SECURE<br>STATION                   | ă     | 2    | 7755               | YES | £                     | 7                | <u>Q</u>            | 2   | 2                                     | 72   | Y 237          | YES NO                   | TES | -   | ×                                    | 138  | 20                                | 9        |
| 75. Remove/Stow Loader<br>Fifthg Guards                 | Þ     |      |                    |     |                       |                  |                     |     |                                       |      |                |                          |     |   |                                      | ×  |                                   |          |
| 76. Remove Hight Vision<br>Viewer                       | Α     |      |                    | ×   |                       | ×                |                     |     |                                       | ×    | ×              |                          |     |   |                                      | ×  | ×                                 |          |
| 77. Remove/Stow Loader's<br>Day Perincope               | Α     |      |                    | ×   |                       | ×                |                     |     |                                       | ×    | ×              |                          |     |   |                                      | ×  | ×                                 |          |
| 72. Remove Loader's M240<br>Machinegun                  | 5     |      |                    | ×   |                       | ×                |                     |     | ستوران جاتون                          | ×    | ×              |                          | ×   | 4   | ĸ                                    | ×  | ×                                 |          |
| 79, Power Down Loader's Sta-                            | Α (   |      |                    |     |                       |                  |                     |     | المراجع المراجع                       |      |                |                          |     |   |                                      | × 1  |                                   |          |
| out Cale lank   | n     |      |                    |     |                       |                  |                     |     |                                       |      |                |                          |     |   |                                      | ×  |                                   |          |

|              |   |        | 7034   |       | COMPARTSON           |            | AWALYETS           |                  | F             | TEMETATIVE | 2     | TRAIMING           | INC.    |     | TRAINING |       | DELIVERY      | DATA    |      |
|--------------|---|--------|--|-------|----------------------|------------|--------------------|------------------|---------------|------------|-------|--------------------|---------|-----|----------|-------|---------------|---------|------|
|              | (LOADER)  | ALITY  | OVERON - TASK PERPORN<br>ALITY EASIER HARBER |       | PROBLEH<br>TRAIN ASS | 1 175      | CAUSE<br>HOTOR HEN | SE JOHN JOHN SAN | JOB SAMPLE SI | SELECT TRA |       | HONE JOB<br>HO AID | B TRUNG | DTD | SKILL 1  | 119   | TRAINING SITT | ING SIT | , Li |
| 18           | Close and lock Loader's                         | ۵      |  |       |                      |            |                    |                  |               |            |       |                    |         |     |          |       |               | ×       |      |
| 72           | Service/Stow Crosswind                          | Þ      |  |       | ×                    |            | ×                  |                  |               |            | ×     | ×                  |         |     |          | ×     |               | ×       |      |
| MIII.        | FIER OPERATION                                  | Delica | 2  | TES   | YES NO               |            | YES YES            | ON               |               | 9          | TES   | TES TES NO         | ON S    | TES | -        | X YES |               | TES     | 0    |
| <b>18</b>    | Check Loader's Panel<br>Operation               | Þ      |  |       | ×                    |            | ×                  |                  | ×             |            | ×     | ×                  |         |     |          |       |               | ×       |      |
| . TE         | PERFORM FRE-FIRE PMCS<br>(REPEAT LASK #17)      | DATOUE | 2  | Z     | YES NO               |            | TES TES            | 202<br>203       | <b>y</b>      | 9          | YES   | TES TE             | YES NO  | 12  | <b>-</b> | X 755 |               | 21      | 9    |
| \$           | Check Resote Thermoseter                        | Þ      |  |       |                      |            |                    |                  |               |            |       |                    |         |     |          |       |               |         |      |
|              | Check 105mm Hain Cam<br>Table                   | u      |  |       |                      |            |                    |                  |               |            |       |                    |         |     |          |       | ×             |         |      |
| ចិន្         | Chack Main Gun Breech<br>Group                  | 4      |  |       |                      |            |                    |                  |               |            |       |                    |         | ×   | 1        | ×     | ×             |         |      |
| <b>67.</b> G | Check Main Qun Houat                            | ß      |  |       | ×                    |            | ×                  |                  |               |            | ×     | ×                  |         |     |          |       | ×             |         |      |
| 5 %          | Check Firing Circuits and Triggers              | ۵      |  | ×     | ×                    |            | ^                  | ×                | 76.           |            | ×     | ×                  |         |     |          |       | ĸ             | **      |      |
| 5 A          | Check Lunder's M240<br>Machinegun               | :2     |  |       | ×                    | . 1        | ×                  |                  | ٠.            |            |       |                    | - 177   |     |          |       | ×             |         |      |
| XV. PERFORD  | CHECKS  | DFRNI  | NO.  | YES Y | YES                  | NC NO      |                    | YES P            | POS           | 9          | YES Y | YES YES            | S YES   | YES | -        | ×     | YES           | YES     | NO   |
| 90. Pr       | Prepare For Main Gun<br>Firing                  | a      |  | ×     | ×                    |            | ×                  | <u> </u>         |               |            | ×     | ×                  | ×       |     |          |       |               |         |      |
| 91. Pr       | Prepare For M240 Coax<br>Machinegum Firing      | ٩      |  | ×     | ×                    |            | ×                  | J                | <del></del>   |            | ×     | ×                  |         |     |          |       | 1             |         |      |
| 92. PT       | Prepare For Cal .30<br>Machinegun Firiag        | 9      |  |       | ×                    |            | ×                  | J                |               |            | ×     | ×                  |         |     |          |       |               |         |      |
| .:<br>F &    | Prepare for Loader's<br>N240 Machinegum Firing  | ני     |  |       | ×                    |            | ×                  | ×4               | ·             |            | ×     | ×                  |         |     |          |       |               |         |      |
| XVI. TARCE   | IVI. TARGET ACQUISITION                         | DETENT | 2  | TES   | TES                  | POS NO     |                    | YES              | 202           | SOL        | YES Y | YES NO             | No      | £   |          | Z     | NO M          | 0       | NO   |
| * 5          | Acquire Targeta Using<br>Loader's Day Periacope | 6      |  |       | ×                    | <b>*</b> • | ×                  |                  |               | •          | ×     | ×                  | ×       |     |          |       |               |         |      |

| AMALYSIS TENTATIVE TRAINING TRAINING TRAINING DELIVERY DATA  CAMER JOS SOLUTION NOTE JOS SKILL TRAIN TRAINING SITE  NOTOR NEWTAL SAFELE SELECT TRAIN NO ALD DAY TASK LEVEL TIPE OSUT TRAINS UNITE | K<br>K  | * * * * * * * * * * * * * * * * * * *                | * * *                | × × ×                               | × ×                             | ×                            | YES NO NO YES YES NO YES THE 1 X TES THE NO | ×                      | ×××              | (x) (x) (x) (x)      | (x) (x) (x) (x)                   | (X)               | * *               | (x) (x) (x) (x)        | (x) (x) (x) (x)                    | **                             | ×                   | (x) (x) . (x)                  |
|---|---|--|----------------------|-------------------------------------|---------------------------------|------------------------------|---|------------------------|------------------|----------------------|-----------------------------------|-------------------|-------------------|------------------------|------------------------------------|--------------------------------|---------------------|--------------------------------|
| RISON AND SECOND  | •-  | •  | •                    | -                                   | ••                              |                              | 2   |                        |                  | _                    |                                   |                   |                   |                        |                                    |                                |                     | _                              |
| MOAL TASK COYT.  TASK PERFORM PRO EASTER HARDER TRAES   | ×   | ×  | ×                    | ×                                   | ×                               |                              | ar an                                       |                        | ×                | 3                    | <b>(X)</b>                        |                   | ×                 |                        |                                    | ×                              |                     | 3                              |
| ME TASK P<br>CONDICTE EASTER  | Ð   | •  | •                    | •                                   | 5                               | •                            | DPENT NO                                    | <b>a</b>               | <b>a</b>         | (n)                  | 3                                 | 3                 | ۵                 | 3                      | (3)                                | •                              | •                   | •                              |
| (LOADER)  | Acquire Targets Using<br>Driver/Leader's Hight<br>Vision Viewer | Acquire Bargets From<br>Open Match Vith Maked<br>Eye | Acquire Targets From | Acquire Dargots Wills<br>Stationary | Acquire Targets Wills<br>Moving | Mand-Off Acquired<br>Targets | TANCET BHCACDENT VITH                       | Activate Turret Blover | Arm The Nata Com | e. Switch To POWINED | b. Hove Ejection Guard<br>To Rear | C. Attacemes "UP" | Safe The Main One | a. Switch To Et. UNCT. | b. Hove Ejection Geard<br>To Prest | Respond to Main Can<br>Winfire | Respond To Nais Gun | a. Reload Battlesight<br>Round |

| Total local  |   |           | 13      | 141 4469              | TO SEE A SECOND |     | AUATVETE |              |         | TOWER APT UP | +              | TRATMING    | [     |        | TBATE   | WEST TON CHIMEN | TUTTE         | PATA       | Γ        |
|--|---|-----------|---------|-----------------------|-----------------|-----|----------|--------------|---------|--------------|----------------|-------------|-------|--------|---------|-----------------|---------------|------------|----------|
| (royper)   |   | -NOMBOX   | TASK PI | COMPON- TASK PERPONEN |                 |     | CAUSE    | 1            | 306     | SOLUTION     | ·              | HORE JOB    | TRUNG |        | SKILLT  | TING            | TRAINING SITE | C SIT      | 200      |
|  |   | ALLTA     | EASIER  | HARDER                | TRAIN           | Ö   | HOTOR P  | HTAL         | SAMPLE  | SELECT TRAIN | N              | HO ALD      | DEV   | TASKIL | LEVEL T | TYPE OS         | OSUT TR       | TRANS UNIT | H        |
| b. Relued R  | Relued Round Designated By Commander  | 3         |         |                       | ( <b>x</b> )    |     | (x)      |              |         |              | (x)            | (x)         |       |        |         |                 |               |            |          |
| WILL TARGET ENCACEMENT WITH COAXIAL MACHINESTUR          | MULT VITE   | DFRNT     | Q.      | 3ZA                   | YES             | 0%  | ON ON    | YRS          | P05     | Š.           | YES            | YES NO      | NO    | YES    | -       | ×               | YES           | YES        | NO       |
| 106. Arm The H240 Coax<br>Machinegun                     | 40 Coax   | Þ         |         |                       | ×               |     |          | ×            |         |              | ×              | *           |       |        |         |                 |               |            |          |
| 4. Switch To NWERED                                      | TO NWERED   | (c)       |         |                       | (x)             |     |          | ( <b>x</b> ) | ۴.      |              | $\mathfrak{X}$ | <b>(x</b> ) |       |        |         |                 |               |            |          |
| b. Place M240 Coax<br>Sefety In 'F'                      | 240 Coax<br>In 'F'  | 3         |         |                       |                 |     |          |              |         |              |                |             |       |        |         |                 | ¥             |            |          |
| 107. Round Sense   | Round Sense Coax Fire   | <b>c</b>  |         |                       | ×               |     |          | ×            |         |              | ×              | ×           |       |        |         |                 |               |            |          |
| 105. Respond To<br>Fire"                                 | Respond To Coax "Cease<br>Fire"   | Q         |         |                       |                 |     |          |              |         |              |                |             |       |        |         |                 |               |            |          |
| a. Reload M240 Coax<br>Sachinegun                        | 1240 Coax   | <b>(9</b> |         |                       |                 |     |          |              |         |              |                |             |       |        |         |                 |               |            |          |
| b. Remuve Sperit Car-<br>tridges From Con-<br>tainer     | Remove Spent Car-<br>tridges From Con-<br>tainer                                      | 3         |         |                       |                 |     |          |              |         |              |                |             |       |        |         |                 |               |            |          |
| XIX, TARGET ENCACINENT WITH NO.40 LOADER'S MACHINEGUN    | NACH INECUN   | UNI QUE   | XX      | ¥.                    | YES             | Pos | YES      | YES          | Pos     | Ŏ.           | YES            | YES NO      | YES   | YES    | -       | ×               | YES           | <i>د.</i>  | MO<br>MO |
| 109. Arm The Los<br>Machinegum<br>Ldr's Machi<br>in 'F') | Arm The Loader's M240<br>Machinegun (Place M240<br>Ldr's Machinegun Safety<br>in 'p') | ລ         |         |                       |                 |     |          |              |         |              |                |             |       |        |         |                 | ×             |            |          |
| 110. Acquire Target and Identify                         | fget and  | 5         |         |                       | ×               |     |          | ×            | ٠.      |              | ×              | ×           | ×     |        |         | ^               | ×             |            |          |
| a. Announce "CANNOT Ldent if y"                          | "CANNOT   | 3         |         |                       |                 |     |          |              |         |              |                |             |       |        |         |                 |               |            |          |
| b. Announce  | b. Announce "Identified"  | (3)       |         |                       |                 |     |          |              |         |              |                |             |       |        |         |                 |               |            |          |
| Lay On Target:   | ä   |           |         |                       |                 |     |          |              |         |              |                |             |       |        |         |                 |               |            |          |
| 111. Stat/Stat   |   | 5         |         |                       |                 |     |          |              |         |              |                |             |       | ·      |         | ×               | u             |            |          |
| 112. Stat/Moving (Track)                                 | (Track)   | Þ         |         |                       | H               |     | ×        | ×            | <u></u> |              | ×              | ĸ           | ×     |        |         |                 |               |            |          |

|    |         |   |          |   |          |                         |                               |            |             |                          |          |                         |       |              |          | 1                     |                  |                             | ١ |
|----|---------|---|----------|---|----------|-------------------------|-------------------------------|------------|-------------|--------------------------|----------|-------------------------|-------|--------------|----------|-----------------------|------------------|-----------------------------|---|
|    |         | (LOADER)  | ALLTY    | OCTOOR - TASK PERFORM ALITY EASIER HARDER | ASK COV  | PROBLES<br>TRAIX ASSICA | AMALYSIS  CAUSE  HOTOR HENTAL | ENTAL      | SAMPLE      | SOLUTION<br>SELECT TRAIN | -        | MORE JOB THE DIE ALD DE | TEW V | DIED         | SKILL T  | THA HING DELIVER DATA | TRAINE<br>OSUT T | TRAINING SITE OSUT TRANS UN |   |
|    | 113.    | Moving/Stat (Track)   | 5        |   | ×        |                         | ×                             | ×          | ٠.          |                          | ×        | ×                       | ×     |              |          |                       |                  |                             |   |
|    | 114,    | Howing/Newing (Track)   | Þ        |   | ×        |                         | ×                             | ×          | 6.          |                          | ×        | ×                       | ×     |              |          |                       |                  |                             |   |
|    | 115.    | Let inate Lange To Target   | 5        |   | ×        |                         | ×                             | ×          | ۲.          |                          | ×        | ×                       | ×     |              |          | ×                     | J                |                             |   |
|    | 116.    | Pira N240 In 25-30<br>Round Burata  | 5        |   | •        |                         |                               |            |             |                          |          |                         |       |              |          | ×                     | u                |                             |   |
|    | 117.    | Apply immediate Action<br>to M240 Ldr's NC  | 5        |   | ×        |                         | ×                             | ×          |             |                          | ×        | ×                       | ×     |              |          | ×                     |                  | *                           |   |
|    |         | a. Respond to N240 Pail-<br>73-Fire   | 3        |   | ×        |                         | 8                             | <b>£</b>   | <b>p</b>    |                          | æ        | æ                       | 8     |              |          | æ                     | •                |                             |   |
|    |         | b. Respond To N240<br>Runaway Cun   | 3        |   | <b>X</b> |                         | æ                             | 8          | ٠.          |                          | æ        | æ                       | (x)   |              |          |                       |                  |                             |   |
|    |         | Round Sense:  |          |   |          |                         |                               |            |             |                          |          |                         |       |              |          |                       |                  |                             |   |
|    | 118     | Stat/Stat   | <u> </u> |   |          |                         |                               |            |             |                          |          |                         |       |              |          |                       | ×                |                             |   |
|    | 119.    | Stat/Noving   | 5        |   | ×        |                         | ×                             |            |             |                          | ×        | ×                       | к     |              |          |                       |                  |                             |   |
|    | 170.    | Noving/Stat   | 5        |   | ×        |                         | ×                             |            |             |                          | ×        | ×                       | ×     |              |          |                       |                  |                             |   |
|    | 121     | Noving/Noving   | >        |   | ×        |                         | ×                             |            |             |                          | ×        | ×                       | ×     | مونوات       |          |                       |                  |                             |   |
|    | 122.    | Adjust M240 Lde's MC<br>Fire  | Þ        |   | ×        |                         | ×                             | ×          | <b>p</b> -1 |                          | ×        | ×                       | ×     | يبية فالتواف |          | ×                     | _                |                             |   |
|    |         | a. Apply Malk-In Tech-<br>mique   | 3        |   | ×        |                         | <b>*</b>                      | ×          | ٨.          |                          | 3        | (X)                     | 3     |              |          |                       |                  |                             |   |
|    |         | b. Apply 2-Pattern  | 3        |   | æ        |                         | ×                             | ×          | 6.          |                          | ×        | <b>(X</b>               | ×     |              |          |                       |                  |                             |   |
|    |         | c. Apply Turret Carry<br>Method (Gummer)  | 3        |   | 3        |                         | æ                             | <b>(</b> X | ۴.,         |                          | <b>E</b> | (X)                     | 3     |              |          |                       |                  |                             |   |
| ~1 | ri<br>E | PERFORM DURING-PIRE PHCS<br>(REPEAT TASKS # 17, 87, 89)                                   | Face     | 77  | žĮ.      | £                       | TES                           | YES        | OM.         | 2                        | TES      | TES YES                 | oy.   | YES          | <b>-</b> | S21 2                 |                  | YES NO                      | • |
| Al | i       | PERFORM AFTER-FIRE PMCS<br>(REPEAT TASKS #82, 65-66,<br>123, 124)                         | PFIDE    | NO TES                                    | 72       | <u>Q</u>                | TES                           | SI .       | Q<br>Q      | <u>§</u>                 | YES      | YES YES                 | CX.   | XI.          |          | ×                     | S YES            | S:                          | • |
|    |         | <b>(Mag</b> ):  |          |   |          |                         |                               |            |             |                          |          |                         |       |              |          |                       |                  |                             |   |
|    | 123.    | Chack Operation Of<br>Bustle Doorn, Ready Door<br>Knee Switch, Door Fige<br>Safety Switch | <b>5</b> |   | ×        |                         | ×                             |            |             |                          | ×        | ×                       |       |              |          | ×                     |                  |                             |   |
|    |         |   |          |   |          |                         |                               |            |             |                          |          |                         |       |              |          |                       |                  |                             |   |

|          |   |          |       |   |                        |            |                               |     |       |                        |     |             |           |                 |          | I   |                     |             | ſ        |
|----------|---|----------|-------|---|------------------------|------------|-------------------------------|-----|-------|------------------------|-----|-------------|-----------|-----------------|----------|---|---------------------|-------------|----------|
|          | Out TARK LIST<br>(LOADER)                                   | ALITY    | TAK 1 | Medi Tak Ferdik Pro<br>Ality Esseriarder Tratif | PROPLEM<br>TRATH ASSIG |            | AMALYSIS<br>CAUS<br>N NOTOF N |     | SAFIL | SOLUTION<br>SELECT TRA | . 5 | HORE JOS TO | JOS TROIC | DTD S<br>TASK L | SKILL T  | TRAINING DELIVER DATA TILL TRNG TRAINING SIT WILL TYPE DSUT TRANS U | TRAINE<br>DSUT TRAN | TRATE STEE  |          |
| 124.     | Check Amme Retaining<br>Spring Clips                        | Þ        |       |   |                        |            |                               |     |       |                        |     |             |           |                 |          | ×   |                     |             |          |
| 125      | Onch Turner Amm Ston-                                       | ۵        |       |   | ×                      |            |                               | ×   |       |                        |     |             |           | ×               | <b>#</b> | ×   | ×                   |             |          |
| 126      | Check Come Ready Asses                                      | ٥        |       |   |                        |            |                               |     |       |                        |     |             |           |                 |          |   | ×                   |             |          |
| 117.     | Check Operation Of Hall                                     | <b>5</b> |       |   | ×                      |            | ×                             |     |       |                        | ×   | ×           |           |                 |          |   | ×                   |             |          |
|          | Ye in Ose :   |          |       |   |                        |            |                               |     |       |                        |     |             |           |                 |          |   |                     |             |          |
| 128.     | Check And Clean Bore<br>Descuster                           |          |       |   |                        |            |                               |     |       |                        |     |             |           |                 |          |   | ×                   |             |          |
| 129.     | Clear And Lubricate<br>Main Can Breach Group                | •        |       |   | ×                      |            | ×                             |     |       |                        | ×   | ×           |           | ×               | -        | ×   | ×                   | *           |          |
| 4.<br>4. | Remove Oil Prom Regidue<br>Collector                        | >        |       |   |                        |            |                               |     |       |                        |     |             |           |                 |          |   | ×                   |             |          |
|          | N240 Mechingum:   |          |       |   |                        |            |                               |     |       |                        |     |             |           |                 |          |   |                     |             |          |
| 131      | Field Strip And Chack<br>N240 Nachinegun                    |          |       |   | ×                      |            | ×                             |     |       |                        | ×   | ×           |           | ×               | -        | ×   | ×                   |             |          |
| 132.     | Clean And Labricate 1040<br>Machinegun                      | w        |       |   |                        |            |                               |     |       |                        |     |             |           | ×               | -        | ж   | ×                   |             |          |
|          | DEFECTIVE TAIN CON  | Ĭ        | 2     | â   | 2                      | 2          | 753                           | Ž   | 2     | 9                      | ĭ   | YES NO      | 9         | ٩               |          |   | 2                   | 02          | <u>Q</u> |
| 111      | Operate Main Cun -<br>Adjust For Cold Weather               | v        |       |   |                        |            |                               |     |       |                        |     |             |           |                 |          |   |                     |             |          |
| Ţ.       | Close 103mm Main Oun<br>Breech Under Bhergency<br>Procedure | •        |       |   | ×                      |            | ×                             | ĸ   |       |                        | ×   | ×           |           |                 |          |   |                     |             |          |
| Time     | ELLL TROUBLESHOOT TURKET                                    | Pres     | 2     | TES   | Zi.                    | 2          | 2                             | XI. | ğ     | 2                      | YES | YES TES     | S YES     | 222             | -        | ×   | TES                 | <b>R</b> OH | £        |
| 301      | . Londer's Indicator<br>Panel (6 Tanks)                     | Þ        |       |   | ×                      | <b>p</b> + |                               | ×   |       | ••                     | ×   | ×           | ×         | ×               |          | ×   |                     |             |          |
|          | 4. Londor's Panel<br>Lights                                 | 3        |       |   | 3                      | 3          |                               | 3   |       | 3                      | æ   | (x) (x) (x) | 8         | كيسم            |          |   |                     |             |          |

| NAME TARKE LIGHT                                       | DAN                 | AT TACK | COMPARISON | 1           | AMATYCIC                         | -      | TESTATI VE   |    | TRATTEC            | 9        | _   | TEATHER OFFICE DATA  |
|--|---------------------|---------|------------|-------------|----------------------------------|--------|--------------|----|--------------------|----------|-----|--|
|  | OURDON TASK PERFORM | RPOPH   | PROF       | 18          | CAUSE JOB<br>HOTOR PENTAL SAMPLE | 1.1    | SELECT TRAIN | 'Т | HORE JOB<br>HO ALD | JOB TRIM | 10  | DTD SKILL TWG THAINING SITE<br>TASK LEVEL TIPE INUT TRANS UNIT |
| b. Spent Case Ejection<br>Castd (Omtrol)<br>Lights (2) | 3                   | ĝ.      | <b>(X)</b> | ε           | æ                                |        | ε            |    | ~                  | (x) (x)  | ÷   |  |
| c. One Turnet Drive<br>Lights (3)                      | 3                   |         | 3          | ε           | 3                                | -      | ε            | X  | <b>3</b>           | (X)      | ≎   |  |
| 136. Ammunition Compactments<br>(6 Tasks)              | <b>5</b>            |         | ×          | <b>9</b> 1- | ×                                |        | •••          | ж  | ×                  | ×        |     |  |
| a. Meady Ammo Door<br>Falls To Open Auto               | 3                   |         | 3          | 3           | <b>X</b>                         |        | ε            | æ  | 3                  |          | (X) |  |
| b. Ready Aumo Door<br>Pails To Close Auto              | 9                   |         | 8          | <b>E</b>    | æ                                |        | ε            | 3  | æ                  | 3        | ?   |  |
| c. Ready Amen Door<br>Fails To Open<br>Manually        | 3                   |         | 3          | ε           | 8                                |        | £            | 3  | *                  | 3        | 3   |  |
| 4. Ready Augo Door<br>Fails to Close<br>Manually       | 3                   |         | 3          | ε           | æ                                |        | ε            | æ  | 3                  | æ        | 3   |  |
| e. Semi-Ready Door<br>Fails To Open                    | (9)                 |         | æ          | ε           | <b>(</b> E)                      |        | 3            | 3  | æ                  | æ        | 3   |  |
| f. Semi-Ready Door<br>Fails To Close                   | 3                   |         | 3          | ε           | 3                                |        | 3            | 3  | 3                  | 3        | ÷   |  |
| 137. Auntiliary Systems<br>(7 Tusks)                   | <b>e</b>            | ×       | ×          | ••          | •                                | -      | •            | ×  | ×                  | ×        |     | ×  |
| a. Deret Slower Pails                                  | 9                   |         | <b>X</b>   | ε           | (8)                              |        | ε            | æ  | <b>X</b>           |          |     | (x) 1 (z)  |
| b. Ldr Gas Particulate<br>Heater Pails To Heat         | 3                   |         | 3          |             | 3                                |        |              | E  | 3 .                |          |     | (x) 1 (x) (x)  |
| c. Hight Vision Viewer<br>Fails - Auto                 | 3                   |         | E          |             | 3                                |        |              | æ  | 3                  |          |     |  |
| d. Hight Vision Viewer<br>Fails - Battery              | 3                   |         | 3          |             | <b>(X</b>                        | ······ |              | X  | $\mathfrak{E}$     |          | N   |  |
| e. Turret tock falls to<br>Lock                        | 3                   |         | *          |             | *                                |        |              | 3  | 3                  |          |     |  |
| f. Turret Lock Fails To<br>Unlock                      | 3                   |         | 3          |             | *                                |        |              | 3  | 3                  |          |     |  |

|       | NAI TASK LIST   |           | Y60A              | 1 TASK   | COPPA    | MEGAL TASK COMPARISON ANALYSIS | ALYSIS                                   |         |          | TEXTATI VE   | 7        | TRAI           | TRAINING    |          |                 | TRAIN      | IINC E | TRAINING DELIVERY DATA | DATA       |
|-------|---|-----------|-------------------|----------|----------|--------------------------------|--|---------|----------|--------------|----------|----------------|-------------|----------|-----------------|------------|--------|------------------------|------------|
|       | (LOADER)  | - KOLULIO | COTTONN- TASK PER | RPORM    | PROBLEM  | KA                             | CAUSE                                    |         | g        | SOLUTION     | -        | HORE JOB TRING | OB TR       |          | DTD SI          | SKILL TRIG | LINC   | TRAINING SITE          | SITE       |
|       |   | אוזא      | MITY EASTER II    | ARDER 1  | KAIX     | SSICIL                         | IARDER TRAIN ASSICAL HOTOR HENTAL SAMPLE | NTAL S. | MILE     | SELECT TRAIN | MIN      | TO A           | HO AID DEV  | 7        | TASK LEVEL TYPE | VEL 1      | TPE    | OSUT TRA               | TRANS UNIT |
|       | g. Auxiliary Hydraulic<br>Systems Fell                | 3         |                   |          | <b>*</b> | (3)                            | S  | 3       |          | 3            | 3        | 3              | (x) (x) (x) |          |                 |            |        |                        |            |
| 136   | 136. Mata Cun (é Tasks)                               | Ø         |                   |          | ×        | <b>p.</b> 1                    | ^  | ×       |          | <b>6</b> -1  | ×        | ×              | ×           |          | ×               | -          | ×      | ×                      |            |
|       | a. Breach Fails To                                    | 9         |                   |          | æ        | 3                              | E  | Ç       |          | 3            | ×        | ×              | ×           |          |                 |            |        | æ                      |            |
|       | b. Sreech Felle To Open Fully After Recoil            | 3         |                   |          | *        | £                              | ×  | ç       |          | ε            | <b>X</b> | <b>(X</b>      | ×           | ^        |                 |            |        | ( <b>x</b> )           |            |
|       | c. 105mm Gun Case Pails<br>To Extract                 | 3         |                   |          | ×        | £                              | ×  | ວ       |          | 3            | 8        | <b>(x)</b>     | æ           | <u> </u> |                 |            |        | æ                      |            |
|       | d. 105mm Cun Return-To-<br>Battery Is Excessive       | 3         |                   |          | 8        | 3                              | 8  | ଦ       |          | 3            | æ        | 3              | ×           |          |                 |            |        | æ                      |            |
| XXIV. | LUBRICATE TAPE ACCOUDING<br>TO LUBRICATION ONDER (LO) | Progra    | 165               | Zi<br>Zi | 22       | <b>9</b>                       | YES YE                                   | TES R   | <u>Q</u> | £            | YES      | YES Y          | YES YES NO  |          | TES             |            | 2      | NO 3                   | ON         |

TABLE IV

XM1 TASK LIST

(DRIVER)

| TASK LIST   |                | 3      | M TASK | COPPA          | I SOR AN                         | ALYSIS           |       |                | TENTATIVE    | 2        | F     | TRAINING      | [           |          | TRAIN   | I'NG D | TRAINING DELIVERY DATA | IT DAT     |          |
|---|----------------|--------|--------|----------------|----------------------------------|------------------|-------|----------------|--------------|----------|-------|---------------|-------------|----------|---------|--------|------------------------|------------|----------|
|   | ALITY EASIER H | TASK P | ARDER  | PROBE<br>TRAIN | ASSICH CAUSE ASSICH HOTOR HENTAL | CAUSE<br>DTOR ME | ENTAL | SAMPLE         | SELECT TRAIN | KAIN     | FO FE | HORE JOB TRNC | TRNC        | DTD SI   | SKILL 1 | TYPE   | Sur                    | TRANS UNIT |          |
| L. PERZORN SEPOPE OPERATION<br>PACS (EXTERIOR)  | DETOT          | 0      | YES    | Z.             | NO                               | 9                | YES   | P0S            | OM           | YES      | YES   | YES N         | Q.          | YES      | -       | ×      | TES                    | TES        | 9        |
| 1. Chack Vehicle Exterior<br>For Signs Of Lanks<br>Tempering, Damage Or<br>Unusual Conditions On<br>Or Under Tank | ٥              |        | ×      | ×              |                                  |                  | ×     |                |              | ×        | ×     | ×             |             |          |         |        | ×                      | ĸ          |          |
| 2. Check Track Tension and<br>Adjust 1f Mecassary   | ۵              |        |        | ×              |                                  | ×                | ×     |                |              | ×        | ×     |               |             |          |         |        | ×                      | ×          |          |
| 3. Chack Batteries  | ۵              |        |        |                |                                  |                  |       |                |              |          |       |               | · ·         |          |         |        | ×                      | ×          |          |
| 4. Check Hull Access Plates   | vı             |        |        |                |                                  |                  |       |                |              |          |       |               |             |          |         |        | ×                      | ×          |          |
| 5. Check Transmission 0:1<br>Level  | v              |        |        |                |                                  |                  |       |                |              |          |       |               |             |          |         |        | ×                      | ×          |          |
| 6. Chack Engine Oil Level   | vs.            |        |        |                |                                  |                  |       |                |              |          |       |               |             |          |         |        | ×                      | ×          |          |
| 7. Check Front/Rest Puel<br>Tank Filler Covers and<br>Seals   | ۵              |        |        |                |                                  |                  |       |                |              |          |       |               | -1.5        |          |         |        | ×                      | ×          |          |
| 8. Check Rear Grille Doors  | ۵              |        |        |                |                                  |                  |       |                |              |          |       |               |             |          |         |        | ×                      |            |          |
| 9. Check Sensor Cables and<br>Clean All Engine Com-<br>partment Fire Extin-<br>guisher Sensor Lenses              | 5              |        |        |                |                                  |                  |       |                |              |          |       |               |             |          |         |        | ×                      | ×          |          |
| 10. Check External Fire Ex-<br>guisher Handle   | v              |        |        |                |                                  |                  |       |                |              |          |       |               |             |          |         |        |                        | ×          |          |
| 11. Check Sponson Stownge   | ۵              |        |        | ×              |                                  |                  | ×     |                |              | ×        | ×     | ×             |             |          |         |        |                        | ×          |          |
| 12. Check Service Preclesner  | ,              |        |        | ×              |                                  |                  | ×     |                |              | ×        | ×     | ×             | <del></del> |          |         |        | ×                      |            |          |
| IL. PREPARE DRIVER'S STATION<br>POR OPERATION   | DPERT          | Q.     | 2      | <b>Q</b>       | 2                                | OM.              | 123   | O <sub>X</sub> | ON .         | <u>×</u> | 2     | NC            | Q.          | 257      | -       | ×      | YES                    | YES        | <b>Q</b> |
| 13. Enter Driver's Station  | ۵              |        |        |                |                                  |                  |       |                |              |          |       |               | _           |          |         |        | ×                      | ×          |          |
| a. Ensure Turret Is<br>Locked   | 3              |        |        |                |                                  |                  |       |                |              |          |       |               |             |          |         |        | 8                      | E          |          |
| b. Ensure Vehicle<br>Master Power Switch<br>On Control Panel Is<br>Off  | 3              |        |        |                |                                  |                  |       |                |              |          |       |               | -           | <u>.</u> |         |        | *                      | *          |          |

| XMI TASK LIST<br>(DRIVER)   | DONOROG | TASX | NSOAL TASK PERFORM ALITY EASIER HARDER | TRAIN | COMPARISON ANALYSIS PROBLEM CAUSE TRAIN ASSIGN HOTOR HENTAL | AKALYSIS<br>CAUS<br>HOTOR H | IS<br>ISE<br>MENTAL | SAMPLE | TENTATIVE<br>SOLUTION<br>SELECT TRAIN | TRAIN | E   | TRAINING<br>ORE JOB TRNG<br>HO AID DEV | DTD SH | TRAINING<br>SKILL TRNG<br>LEVEL TYPE | 1        | DELIVERY DATA TRAINING SITE OSUT   TRANS ON | NING SITE | Пе |
|---|---------|------|--|-------|---|-----------------------------|---------------------|--------|---------------------------------------|-------|-----|--|--------|--------------------------------------|----------|---|-----------|----|
| C. Diter 16 Starios   | 3       |      |  |       |   |                             |                     |        |                                       |       | ł   |  |        |                                      |          |   |           | l  |
|   |         |      |  |       |   |                             |                     |        |                                       |       |     |  |        |                                      | ×        | Š   |           |    |
| 4. Bastre Parking Breke<br>In Set   | €       |      |  |       |   |                             |                     |        |                                       |       |     |  |        |                                      | æ        | æ   |           |    |
| e. Ensure Crew Fire Ind<br>Engine Fire Handles<br>Are Seated                | 9       |      |  |       |   |                             |                     |        |                                       |       |     |  |        |                                      | ×        | 8   |           |    |
| III. PERPORE SEPORE OPERATION PPCS (INTERIOR) (TASKS (14.34)                | For     | £    | £                                      | ž.    | <u>Q</u>  | <u>Q</u>                    | 2                   | 9      | 2                                     | TES   | TES | TES TES                                | 22     | ×                                    | T        | TES   | MO        |    |
| 14. Check Parking Brake<br>System Hydraulic<br>Frassure                     | ٥       | ×    |  |       |   |                             |                     |        |                                       |       |     |  |        |                                      | ×        | ×   |           |    |
| IV. POSTER UP HULL SYSTEMS  | TOTAL   | 2    | YES                                    | YES   | 2   | <b>9</b>                    | YES                 | 202    | ě                                     | Sal   | TES | YES NO                                 | TES .  | ×                                    | <b>1</b> | TES   | 2         |    |
| 13, Check Driver's Master<br>Punel  | A       |      |  | ×     |   |                             | ×                   |        |                                       | ×     | ×   | ×                                      |        |                                      | ×        | ×   |           |    |
| 4. Chaura DR's Master<br>Panel Svitches (8)<br>Ate OFF                      | 9       |      |  | 3     |   |                             | 3                   |        |                                       | *     | (×  | æ                                      | ·      |                                      | 3        | ×   |           |    |
| b. Ensure Puel Tank<br>Sclector Switch is<br>In REAR                        | 3       |      |  |       |   |                             |                     |        |                                       |       |     |  |        |                                      | Ü        | (x) (x)                                     | *         |    |
| c. Ensure Fire Extin-<br>guisher Second Shot<br>(Red) Cover is<br>Closed    | 3       |      |  |       |   |                             |                     |        | ين حديد                               |       |     |  |        |                                      | S        | #(x) (x)                                    |           |    |
| d. Ensure All DR's<br>Master Panel Gauges<br>Show Louest (Left)<br>Powition | 3       |      |  |       |   |                             |                     |        |                                       |       |     |  |        |                                      | S        | (x) (x)                                     |           |    |
| 16. Chack Rull Metwork and Hull Distribution Box                            | ə       |      |  |       |   |                             |                     |        |                                       |       |     | , , , , , , , , , , , , , , , , , , ,  |        |                                      | ×        |   |           |    |
| A. Open Civers  | 3       |      |  |       |   |                             |                     |        |                                       |       |     |  |        |                                      | *        | 2   |           |    |
| b. Ensure All Circuit<br>Breakers Are ON                                    | 3       |      |  |       |   |                             |                     |        |                                       |       |     | <del></del>                            |        |                                      | *        | (x) *                                       |           |    |
| C. Cluse Covers   | 3       |      |  |       |   |                             |                     |        |                                       |       |     |  |        |                                      | ×        | 0   |           |    |

| DESPET FAST FAST CONTRACTOR ANALYSIS  DESPET FAIL TRACTOR FOR STATE SAFETE SELECT TRAIN HO ALD DEV TASK LEVEL TYPE OSUT TRAINING SITE  ALITY EASTER HASPER TRAIN ASSIGN MOTOR HENTAL SAFETE SELECT TRAIN HO ALD DEV TASK LEVEL TYPE OSUT TRANS UNIT | ×× |   | (x) | <br> |       | •   |          |              | Que-     | <br>* | * * |                           |
|---|----|---|-----|------|-------|-----|----------|--------------|----------|-------|-----|---------------------------|
|   | 0  | 3 |     | <br> | <br>- | obe | <u>.</u> | <br><u> </u> | <br>Que- | <br>  |     | Check Electrical System D |

|     | THE TASK LIST   |       | MEGA! T                   | SK | 31 SOM | AMALYSES                      |                  | THATATIVE                | F | TRAINING                    |                   | TRAININ                  | G DELIV        | TRAINING DELIVERY DATA | П  |
|-----|---|-------|---------------------------|----|--------|-------------------------------|------------------|--------------------------|---|-----------------------------|-------------------|--------------------------|----------------|------------------------|----|
|     |   | ALITY | ALITY EASIER HARDER TRAIN | 15 |        | LEN CAUSE ASSICN INTOR MENTAL | JOB<br>NI SAMPLE | SOLUTION<br>SELECT TRAIN |   | HORE JOB TRNC<br>HO AID DEV | DTD SK<br>TASK LE | SKILL TRNG<br>LEVEL TYPE |                | TRAINING SITE          | TE |
| 23. | Check Maintenance<br>Momitor Panel                      | ם     |                           | ×  |        | ×                             |                  | ×                        | × | ×                           |                   |                          | ×              | *<br>×                 |    |
|     | a. Ensure CABLE DIS-<br>CONNECTED Light is<br>OFF       | 3     |                           |    |        |                               |                  |                          |   |                             |                   |                          | $\mathfrak{E}$ | <b>(</b> E             |    |
|     | b. Ensure CIRCUIT<br>BREATH OFFI Light<br>Is OFF        | 3     |                           |    |        |                               |                  |                          |   |                             |                   |                          | *              | æ                      |    |
| 24. | Chack Fuel Level  | Α     | ×                         | •  | ×      | ×                             | ٠.               | ×                        | × | ×                           |                   |                          |                | *                      |    |
| 25. | Operate Radio Set With<br>Intercom System               | ۵     |                           |    |        |                               |                  |                          |   |                             | ×                 | H                        | ×              |                        |    |
|     | a. Connect/Disconnect<br>CVC Helmet To<br>Intercom      | 3     |                           |    |        |                               |                  |                          |   |                             | 8                 | 9                        | (x) (x)        |                        |    |
|     | b. Intercom Without<br>Remote Control                   | 3     |                           |    |        |                               |                  |                          |   |                             | Ē                 | 3                        | (x) (x)        |                        |    |
|     | c. Intercom With Thumb<br>Control Switch                | 3     |                           |    |        |                               |                  |                          |   |                             |                   |                          |                |                        |    |
| 26. | Operate Driver's Hatch                                  | ٥     |                           |    |        |                               |                  |                          |   |                             |                   |                          | ×              | ×                      |    |
|     | a. Unlock/Open DR'a<br>Hatch                            | €     |                           |    |        |                               |                  |                          |   |                             | · · · · ·         |                          | Œ              | *                      |    |
|     | b. Lock DR's Hatch Open                                 | Ð     |                           |    |        |                               |                  |                          |   |                             |                   |                          |                | *                      |    |
| 27. | Operate Driver's Seat                                   | ıs    |                           |    |        |                               |                  |                          |   |                             |                   |                          | ×              | ×                      |    |
|     | a. Adjust DR's Seat<br>For Closed Hatch<br>Operation    | 9     |                           |    |        |                               |                  |                          |   |                             |                   |                          | *              | 8                      |    |
|     | b. Raise/Lower DR's<br>Seat For Open Natch<br>Operation | Ð     |                           |    |        |                               |                  |                          |   |                             |                   |                          | €              | æ                      |    |
| 28. | Adjust Steer-Throttle<br>Control                        | 5     |                           |    |        |                               |                  |                          |   |                             |                   |                          | ×              | ×                      |    |

|          | WHI TASK LIST (DRIVER)                                     | ALL TY           | 160AL TASK PERFORM PROPLEM CAUSE ALITY SASIER HARDER PRAIN ASSICA WOOR HENTAL | AL TASK<br>RPORM<br>HARDI:R 1 | PROBIL<br>PROBIL<br>RAIN A | COMPARISON ANALYSIS PROFILE CAUS | CAUS<br>OTOR M |     | JOB | TENTATIVE<br>SOLUTION<br>SELECT TRAIN | <del> </del> | TRAININ<br>HORE JOB<br>HO AID | TRAINING<br>ORE JOB TRNG<br>O AID DEV | G DTD         | 2 2 | TRAINING<br>SKILL TRIG<br>LEVEL TYPE | DELIVE<br>TRAIN<br>OSUT | TRANS UNIT | TE  |
|----------|--|------------------|---|-------------------------------|----------------------------|----------------------------------|----------------|-----|-----|---------------------------------------|--------------|-------------------------------|---------------------------------------|---------------|-----|--------------------------------------|-------------------------|------------|-----|
| <b>6</b> | Check Hull/Turret Scaland Pump                             | ٤                |   |                               |                            |                                  |                |     |     |                                       |              |                               |                                       |               |     |                                      | ×                       | · ×        |     |
|          | a. Ensure Hull Turret<br>Scal Pressure Gauge<br>Is At Zero | (g               |   |                               |                            |                                  |                |     |     |                                       |              |                               |                                       |               |     |                                      | ×                       | <b>E</b>   |     |
|          | h. Inflate Turret Seal<br>With Mandpump                    | 9                |   |                               |                            |                                  |                |     |     |                                       |              |                               |                                       | <del></del> - |     |                                      | (x)                     | 3          |     |
|          | c. Bleef Pressure From Hull/Turret                         | 9                |   |                               |                            |                                  |                |     |     |                                       |              |                               |                                       |               |     |                                      | *                       | ×          |     |
| 30.      | Operate Drain Valves                                       | ۵                |   |                               |                            |                                  |                |     |     |                                       |              |                               |                                       |               |     |                                      | ×                       | ×          |     |
|          | a. Open Drain Valves                                       | ( <del>p</del> ) |   |                               |                            |                                  |                |     |     |                                       |              |                               |                                       |               |     |                                      | *                       | (x)        |     |
|          | b. Close Drain Valves                                      | Ð                |   |                               |                            |                                  |                |     |     |                                       |              |                               |                                       |               |     |                                      | 3                       | ×          |     |
| 31.      | Adjust Driver's Day<br>Periscopes                          | s                |   |                               |                            |                                  |                |     |     |                                       |              |                               |                                       |               |     |                                      | ×                       | ×          |     |
| 32.      | Check Center Periscope<br>Wiper/Washer and Fiuid<br>Level  | : >              |   |                               |                            |                                  |                |     |     |                                       |              |                               |                                       |               |     |                                      | ×                       |            |     |
| V. STAR  | START ENGINE   | DFRNT            | CN  | ON.                           | YES                        | NO N                             | NO N           | ON  | NO  | ON                                    | TES          | N ON                          | ON ON                                 | YES           | -   | ×                                    | YES                     | YES        | ON. |
| 33.      | Perform Normal Start                                       | a                |   |                               |                            |                                  |                |     |     |                                       |              |                               |                                       |               |     |                                      | ×                       | ×          |     |
| 34.      | Perform Aborted Start                                      | ۵                |   |                               | ×                          |                                  |                | ×   |     |                                       | ×            |                               | ×                                     |               |     |                                      | ×                       | ×          |     |
| VI. PERP | PERFORM AFTER-START CHECKS                                 | DFRNI            | ON  | YES                           | YES                        | NO ON                            | NO Y           | YES | POS | ON                                    | YES          | YES Y                         | YES YES                               | YES           | =   | ×                                    | YES                     | YES        | NO  |
| 35.      | Check Engine Indicators                                    | 6                |   | ×                             | ×                          |                                  |                | ×   | ٠.  |                                       | ×            |                               | ×                                     |               |     |                                      | ×                       | ×          |     |
| 36.      | Check Marming and Caution Lights                           | ۵                |   | ×                             | ×                          |                                  |                | ×   | ۲.  |                                       | ×            |                               | ×                                     |               |     |                                      | ×                       | ×          |     |
|          | a. Check Master Marm-<br>ing Light                         | Ð                |   | E                             | <b>X</b>                   |                                  |                | ×   | 3   |                                       | <b>X</b>     | C                             | (x) (x)                               |               |     |                                      | æ                       |            |     |
|          | b. Check Maintenance<br>Memiter Lights                     | 3                |   |                               | 8                          |                                  |                | *   | ε   |                                       | 8            | J                             | (x) (x)                               |               |     |                                      | ×                       |            |     |
| 37.      | Chick Main Accumulator<br>Pressure                         | Þ                |   |                               | ×                          |                                  |                | ×   |     |                                       | ×            | ×                             | ×<br>×                                |               |     |                                      | ×                       |            |     |
| 38.      | Check Parking Brake<br>System Hydraulic<br>Pro: sure Gauge | Δ                |   | ×                             | ×                          |                                  |                | se  |     |                                       | ×            | ×                             | ×                                     |               |     |                                      | ×                       | ×          |     |

|  |       | 35     | OAL TASK            | ျပျ                  | 1 1 | AKALYSIS.             |               |          | TENTATIVE                | VE.        | TRAINING | ING      |       |                  | MININ   | 1 DEL I | TRAINING DELIVERY DATA | ATA        |     |
|--|-------|--------|---------------------|----------------------|-----|-----------------------|---------------|----------|--------------------------|------------|----------|----------|-------|------------------|---------|---------|------------------------|------------|-----|
| (DRIVER)                                   | ALLTY | EASTER | ALITY EASTER HARDER | PROSLEM<br>TRAIN ASS | Ğ   | CAUSE<br>HOTOR MENTAL | _             | SAMPLE   | SOLUTION<br>SELECT TRAIN | RAIN       | HORE JO  | JOB TRNC | TASK  | SKILL<br>K LEVEL | IL TRNG |         |                        | TRANS UNIT | 161 |
| Transfer Fuel                              | Δ     |        | ×                   | ×                    |     |                       | ×             |          |                          | ×          | ×        | ×        |       |                  |         | ×       |                        |            |     |
| OPERATE DRIVING CONTROLS                   | DFRUT | YES    | YES                 | YES                  | 0   | NO N                  | 110           | NO<br>ON | NO                       | YES        | YES NO   | YES      | TES   |                  | ×       | YES     | YES                    | 2          |     |
| Operate Transmission<br>Controls           | ۵     | H      |                     |                      |     |                       |               |          |                          |            |          |          |       |                  |         | ×       | ×                      |            |     |
| Operate Steer Controls                     | n/a   | 0      | n                   | ×                    |     |                       | ×             |          |                          | ×          | *        | ×        |       |                  |         |         | ×                      |            |     |
| 42. Operate Brake Controls                 | a/a   | ۵      | Þ                   | ×                    |     |                       | ×             |          |                          | ×          | ×        | ×        | _     |                  |         |         | ×                      |            |     |
| DRIVE TANK                                 | DFRNT | YES    | YES                 | YES                  | 202 | YES Y                 | YES           | 202      | P0S                      | YES        | YES N    | NO YES   | S TES | -                | ×       | YES     | YES                    | NO         |     |
| Nove Tank                                  | n/a   | ۵      | ສ                   | ×                    |     |                       | ×             | ۴,       |                          | ×          | ×        | ×        |       |                  |         | ×       |                        |            |     |
| Drive Tank Up And Down Hills               | n/a   |        | Ð                   | ×                    | ٠.  | ×                     | ×             | ٠.       | ٠,                       | ×          | ×        | ×        |       |                  |         | ×       | ×                      |            |     |
| Drive Tank Over Ob-<br>stacles             | a/a   |        | Þ                   | ×                    | ۴.  | ×                     | ×             | ٠.       | ٠.                       | ×          | ×        | ×        |       |                  |         | ×       | ×                      |            |     |
| Drive Tank Across Ditch                    | a/a   |        | Ð                   | ×                    | ۴.  | ×                     | ×             | ۴.       | ٠.                       | ×          | ×        | ×        |       |                  |         | ×       | ×                      |            |     |
| Drive Tank On Snow Or<br>Ice               | 3/0   |        | ພ                   | ×                    | 6.  | ×                     | <b>&gt;</b> : | ٠.       | ۴۰                       | ×          | ×        | ×        |       |                  |         | ×       |                        |            |     |
| Drive Tank in Extreme<br>Dust, Sand Or Nud | ه/ه   |        | 5                   | ×                    | ••  | ~                     | ×             | ٠.       | ۲۰.                      | ×          | ×        | ×        |       |                  |         | ×       |                        |            |     |
| Drive jank At High<br>Speed                | a/a   |        | n                   | ×                    | ٠.  | ×                     | ×             | ٠.       | ۲۰                       | ×          | ×        | ×        |       |                  |         | *       |                        |            |     |
| a. Primary (Paved)                         | (n/p) | ×      |                     | (X)                  |     | (X)                   |               | 3        |                          | *          | ( = )    | ×        |       |                  |         |         |                        |            |     |
| b. Secondary (Dire)                        | (n/p) | *      |                     | (x)                  |     | æ                     |               | (3)      |                          | <b>(</b> × | (×)      | ×        |       |                  |         |         |                        |            |     |
| c. Gross-country                           | (n/p) |        | (3)                 | (X)                  | 3   | )<br>(X)              | <b>(X</b>     | (£)      | (3)                      | 7          |          | *        |       |                  |         |         |                        |            |     |
| Drive Tank At Sight:                       |       |        |                     |                      |     |                       |               |          |                          |            |          |          |       |                  |         |         |                        |            |     |
| Drive Tank Using Out-<br>side Lights       | a/s   |        | a                   | *                    | ٠.  | ×                     | ×             | ٠.       | ۲٠                       | ×          | ×        | ×        |       |                  |         |         | ×                      |            |     |
| Prive Tank Caing Infra-<br>red Lanses      | 5/1   |        | a                   | ×                    | ۴٠  | ×                     | ×             | ٠.       | ٠٠                       | ×          | ×        | ×        |       |                  |         |         | ×                      |            |     |
| Drive Tank Caing Night                     | a/s   |        | ā                   | ×                    | ۴.  | ×                     | ×             | ٠.       | ۲.                       | ×          | *        | ×        | и     | -                | *       | ×       | ×                      |            |     |
|  |       |        |                     |                      |     |                       |               | •        |                          |            |          |          |       |                  |         |         |                        |            |     |

|    | XHI TASK LIST   |        | 35     | OAL TASK           | COMPARTSON |      | ANALYSIS          |       |            | TENTATIVE    | IVE   | TRA        | TRALHING            |   | TRAINING DELIVERY DATA            | DELIVE   | RY DAT                           | V              |
|----|---|--------|--------|--------------------|------------|------|-------------------|-------|------------|--------------|-------|------------|---------------------|---|-----------------------------------|----------|----------------------------------|----------------|
|    | (DRIVER)  | -XUBUX | ENSTER | MITT EASITH HARBER | THAIN      |      | CAUSE<br>OTOR MEN | ENTAL | JOB        | SELECT TRAIN | TRAIN | MORE<br>HO | JOB TRNG<br>ALD DEV |   | DTD SKILL TRNG<br>TASK LEVEL TYPE | OSUT     | TRAINING SITE<br>OSU: TRANS UNIT | 11.<br>17.     |
|    | E, we Tank thder NBC  |        |        |                    |            |      |                   |       |            |              |       |            |                     |   |                                   |          |                                  |                |
|    | 5), Drive Tank Wearing<br>Projective Mask                                 | 11/8   |        | 2                  | ×          |      | ×                 | ×     |            |              | ×     | ×          | ×                   |   |                                   |          |                                  |                |
| ž  | FUED WATER UBSTACLES  | N-KXT  | NO.    | YES                | so         | NO ) | Y STY             | YES   | NO         | NO           | YES   | YES NO     | O YES               | _ | 140<br>140                        | ON       | NO                               | N <sub>O</sub> |
|    | os. Cod Jonk in Stallest  | £      |        |                    | . v.       |      |                   | ×     | •          |              | ×     | ×          | ×                   |   |                                   |          |                                  |                |
|    | 55, 1000 Jank in Deep Kater<br>Obstacle                                   | :.     |        | ×                  | ×          |      | ×                 | ×     |            |              | ×     | ×          | ×                   |   |                                   |          |                                  |                |
| ×1 | OPERATING TANK SWIDER EXTERME WEATHER CONDITIONS                          | DFIONT | S.     | YES                | YES        | 011  | ON                | YES   | NO<br>NO   | 0<br>N       | YES   | NO NO      | 0 YES               |   | NO<br>NO                          | NO<br>NO | NO                               | NO.            |
|    | 56. Operate Tank in Extreme Cold  | 3      |        |                    | ×          |      | ×                 | ×     |            |              | ×     |            | ×                   |   |                                   |          |                                  |                |
|    | 57. Operate Tank In Extreme<br>Heat                                       | ۵      |        |                    | ×          |      | ×                 | ×     |            |              | ×     |            | ×                   |   |                                   |          |                                  |                |
|    | 56. Operate Tank In Extreme<br>Dast                                       | 6      |        | ×                  | ×          |      | ×                 | ٧     |            |              | ×     |            | ×                   |   |                                   |          |                                  |                |
| Ä  | OPERATE TANK UNDER<br>EPERICISCY CONDITIONS                               | DFBIT  | 2      | 425                | YES        | Q.   | YES               | YES   | 804        | NO<br>NO     | YES   | ON CN      | O YES               |   | 0                                 | Ş        | TES                              | NO             |
|    | 59. Take Immediate Action<br>To Loss of Engine Power                      | ۵      |        | ×                  | ×          |      |                   | ×     | 6~         |              | ×     |            | ×                   |   |                                   |          | *                                |                |
|    | 60. Take immediate Action<br>To Loss of Service<br>Brake                  | ۵      |        | ×                  | ×          |      |                   | ×     | ۴-         |              | ×     |            | ×                   |   |                                   |          | *                                |                |
|    | 61. Take Immediate Action<br>To Stock Parking Brate                       | Α      |        |                    | ×          |      | ×                 | ĸ     |            |              | ×     |            | ×                   |   |                                   |          |                                  |                |
|    | 62. Take immediate Action<br>To Engine Pailure To<br>Shut Down            | a      |        | H                  | м          |      |                   | ×     | <b>~</b>   |              | ×     |            | ×                   |   |                                   |          |                                  |                |
|    | 63. Take Lamediate Action<br>To Lose of Steering                          | Δ.     |        | м                  | м          |      | ×                 | ×     | ۴-         |              | ×     |            | ×                   |   |                                   |          | *                                |                |
|    | 65. Take Immediate Action<br>As Indicated By Driver's<br>Instrument Penel | ۵      |        |                    | H          |      |                   | ×     | <b>-</b> - |              | H     |            | ×                   |   |                                   |          | *                                |                |

|       |     | XMI TASK LIST<br>(DKIVER)                             | 20:00 | INSK P | COURTY TASK CONTAINED AND AND AND AND AND AND AND AND AND AN | PROB | EN A     | ANALYSIS<br>CAISE<br>HOTOR VENTAL | FNTAT   | JOB      | TENTATIVE<br>SOLUTION<br>SELECT TRAIN | -    | TRAINING<br>HORE JOB II | JOB TRNC | DTD            | SKILL TRNG | TRAINING DELIVERY DATA | DELIVER<br>TRAINI | INC SITE | 100 |
|-------|-----|---|-------|--------|--|------|----------|-----------------------------------|---------|----------|---------------------------------------|------|-------------------------|----------|----------------|------------|------------------------|-------------------|----------|-----|
|       | 65. | Gerfors Energency Fuel<br>Transfer                    | ם     |        |  | ×    |          |                                   |         |          |                                       | ×    | <b>-</b> i              |          |                |            |                        | J                 |          |     |
|       | \$  | . Sypass Primary Puel<br>Pilter                       | 5     |        |  | ×    |          |                                   | ×       |          |                                       | ×    | ×                       |          |                |            |                        |                   |          |     |
| XII.  |     | OPERATE FIRE EXTINCUISHERS                            | DFRIT | 2      | YES  | YES  | NO       | OK<br>OK                          | YES     | NO<br>ON | NO                                    | YES  | N ON                    | NO YES   | TES            | -          | ×                      | YES               | YES      | NO  |
|       | 67. | . Operate Engine Com-<br>partment - Automatic<br>Node | Þ     |        |  |      |          |                                   |         |          |                                       |      |                         |          |                |            |                        | ×                 | ×        |     |
|       | 3   | . Operate Pagine Com-<br>partment - Manual Node       | ۵     |        |  | ×    |          |                                   | ×       |          |                                       | ×    |                         | ×        |                |            |                        | ×                 | *        |     |
|       | .69 | . Operate Crew Compart-<br>ment - Automatic Hode      | 5     |        |  |      |          |                                   |         | · ·      |                                       |      |                         |          |                |            |                        | ×                 | ×        |     |
|       | 70. | . Operate Crew Compart-<br>ment - Manual Node         | 6     |        |  | ×    |          |                                   | ×       |          |                                       | ×    |                         | ×        |                |            |                        | ×                 | *        |     |
| 7.4   | 7.  | . Operate Fortable Fire Ext Inguisher                 | v     |        |  |      |          |                                   |         |          |                                       |      |                         |          |                |            |                        |                   |          |     |
| TIII. |     | OPERATE CAS PARTICULATE                               | SAME  | NO     | NO   | OK.  | NO.      | ON.                               | ON<br>O | ON       | NO                                    | 00   | NO NO                   | ON C     | YES            |            | ×                      | TES T             | YES      | NO  |
|       | 72. | . Clear and Seal Protective Mask (P25)                | w     |        |  |      |          |                                   |         |          |                                       |      |                         |          | ×              | -          | ×                      | ×                 |          |     |
|       | 73. | Set GAS PARTIC to OH and Check Light                  | s     |        |  |      |          |                                   |         |          |                                       |      |                         |          |                |            |                        |                   |          |     |
|       | 7.  | . Check Filter Home and Commectors                    | v;    |        |  |      |          |                                   |         |          |                                       |      |                         |          |                |            |                        |                   | ×        |     |
|       | 75. | Obeck Intercom  | v     |        |  |      |          |                                   |         |          |                                       |      |                         |          |                |            |                        |                   |          |     |
|       | 76. | . Check Rester Lamp                                   | ø     |        |  | •    |          |                                   |         |          |                                       |      |                         |          |                |            |                        |                   | ×        |     |
|       | 77. | . Adjust Heater Tempera-<br>ture                      | w     |        |  |      |          |                                   |         |          |                                       |      |                         |          |                |            |                        |                   |          |     |
| XIV.  |     | OPERATE PERSONNEL HEATER                              | DFRUT | NO NO  | ON   | OM.  | NO<br>OX | ON                                | NO      | NO       | NO                                    | N ON | NO NO                   | ON       | N <sub>O</sub> | <b>6.</b>  | ٠.                     | 02                | YES      | NO  |
|       | 78. | . Turn Personnei Heater<br>UM/OFF                     | 6     |        |  |      |          |                                   |         |          |                                       |      |                         |          |                |            |                        |                   | ×        |     |

| THE TASK LIST   |          | -   | 75:1 1:09    |     | COMPARISON            | ANALYSES | \$11                  | -1-1       | TENTATIVE    | IVE            |            | TRAINING   | 0       | 1 5    | TRAI  | NINC | TRAINING DELIVERY DATA | C DAT |          |
|---|----------|-----|--------------|-----|-----------------------|----------|-----------------------|------------|--------------|----------------|------------|------------|---------|--------|-------|------|------------------------|-------|----------|
| (DRIVER)  | ALITY    | EST | E SEER MADER |     | PROBLEM<br>ATM ASSTON |          | CAUSE<br>HOTOR HENTAL | SAMPLE.    | SELECT TRAIN | TRAIN          | <u>§</u> € | HO AID DEV | DEV     | TASK I | LEVEL | TYPE | OSUT TRANS IN          | TRANS | TIE      |
| 79. Adjust Personnel Heat<br>Output                         | s        |     |              |     |                       |          |                       |            |              |                |            |            |         |        |       |      |                        | ×     |          |
| 80. Direct Personnel Heat<br>Flow to Grew Compart-<br>ments | v        |     |              |     |                       |          |                       |            |              |                |            |            |         |        |       |      |                        | ×     |          |
| 81. Adjust Personnel heater<br>Airflow in Driver<br>Station | v        |     |              |     |                       |          |                       |            |              |                |            |            |         |        |       |      |                        | ×     |          |
| XV. OPERATE PERISCOPE/VIEWER/<br>IR LENSES                  | DFINT    | Ŏ,  | OK.          | YES | NO                    | YES      | NO<br>N               | NO         | ON.          | YES            | YES        | ON O       | 000     | TES    | -     | ×    | YES                    | YES   | NO<br>NO |
| 82, Kemove/Install DR's<br>Day (Middle) Periscope           | S        |     |              | ×   |                       | ×        |                       |            |              | ×              | ×          |            |         |        |       |      | ×                      | ×     |          |
| 83. Unstow/Stow DE/LDR's<br>Night Vision Viewer             | 6        |     |              |     |                       |          |                       |            |              |                |            |            |         |        |       |      | ×                      | ×     |          |
| 84. Unstow/Stow Day Peri-<br>scope                          | Α        |     |              |     |                       |          |                       |            |              |                |            |            |         |        |       |      | ×                      | ×     |          |
| 85. Install/Remove DE/LDE's<br>Might Vision Viewer          | <u>م</u> |     |              | ×   |                       | ×        |                       |            |              | ×              | ×          |            |         |        |       |      | ×                      | ×     |          |
| 86. Operate DK/LDR's Hight<br>Vision Viewer                 | ۵        |     |              | ×   |                       |          | ×                     |            |              | ×              | ×          |            |         | ĸ      | -     | ×    | ×                      | ×     | NO       |
| a. Using Tank Power   | 9        |     |              | X   |                       |          | (x)                   |            |              | $\mathfrak{X}$ | 8          |            |         |        |       |      | 3                      |       |          |
| b. Using Battery Power                                      | 9        |     |              | ×   |                       |          | (X)                   |            |              | X              | ×          |            |         |        |       |      | ×                      |       |          |
| 87. Remove/Install/Stov<br>Infrared Lenses                  | v        |     |              |     |                       |          |                       |            |              |                |            |            |         |        |       |      | ×                      | ×     |          |
| IVI. PERFORM PRE-FIRE PMCS                                  | UNIQUE   | NO. | ON           | NO  | NO                    | ON       | NO                    | NO         | 9X           | N <sub>0</sub> | NO.        | NO         | NO<br>N | NO     | ٠.    | ٠.   | NO                     | YES   | NO.      |
| (RONE)  |          |     |              |     |                       |          |                       |            |              |                |            |            |         |        |       |      |                        |       |          |
| XVII. TARGET ACQUISITION                                    | DFRONT   | NO. | YES          | YES | P08                   | YES      | YES                   | 202<br>SO2 | Pos          | YES            | YES        | NO<br>NO   | YES     | NO.    | ٠.    | 6.   | 9                      | NO    | NO.      |
| d8. Acquire Targets From Closed Hatch                       | v        |     |              | ×   |                       |          | ×                     |            |              | ×              | ×          |            | ×       |        |       |      |                        |       |          |
| 89. Acquire Targets Using DR/LDR's Might Vision Viewer      | Α        |     |              | ×   | ••                    | ×        | ×                     | <b>6</b> - | ٠.           | ×              | ×          |            | ×       |        |       |      |                        |       |          |

| TRAINING DELIVERY DATA TILL TRNG TRAINING SITE VEL TYPE OSUT   TRANS UNIT |   |                                      |                                  |                                  | TES NO                      | Ħ   |                    |                              |                        |                  |   |                         |                               |                                      |  |                  |                             |                                       |
|---|---|--------------------------------------|----------------------------------|----------------------------------|-----------------------------|---|--------------------|------------------------------|------------------------|------------------|---|-------------------------|-------------------------------|--------------------------------------|--|------------------|-----------------------------|---------------------------------------|
| NING DELIV<br>TRNG TRAI<br>TYPE OSUT                                      |   |                                      |                                  |                                  | YES                         | ×   |                    |                              |                        |                  |   |                         |                               |                                      |  |                  |                             |                                       |
| AINING<br>L TRN   |   |                                      |                                  |                                  | ×                           | ×   |                    |                              |                        |                  | ×   |                         |                               |                                      |  |                  |                             |                                       |
| 17 28   |   |                                      |                                  |                                  | -                           | -   |                    |                              |                        |                  | •   |                         |                               |                                      |  |                  |                             |                                       |
| DTD   |   |                                      |                                  |                                  | YES                         | ×   |                    |                              |                        |                  | ×   |                         |                               |                                      |  |                  |                             |                                       |
| TRNC<br>DEV   | ×   | ×                                    | ×                                | ×                                | YES                         | ×   |                    |                              |                        | ×                | ×   |                         | ×                             | ×                                    | ν  | ×                |                             | ×                                     |
| TRAINING MORE JOB TRNG HO AID DEV   |   |                                      |                                  |                                  | S YES                       | ×   |                    |                              |                        |                  |   |                         |                               |                                      |  | ×                |                             |                                       |
| ++  | *   | ×                                    | ×                                | ×                                | s YES                       | ×   |                    |                              |                        | ×                | ×   |                         | ×                             | ×                                    | ×  | ×                |                             | ×                                     |
| SOLUTION<br>ELECT TRAI  | ×   | ×                                    | ×                                | ×                                | YES                         | ×   |                    |                              |                        | ×                | ×   |                         | ×                             | ×                                    | ×  | *                |                             | ×                                     |
| TENTATIVE<br>SOLUTION<br>SELECT TRAIN                                     |   |                                      | ۲٠                               |                                  | Š.                          |   |                    |                              |                        |                  |   |                         |                               |                                      |  |                  |                             |                                       |
| JOB   |   |                                      | ٠.                               |                                  | POS                         |   |                    |                              | -                      |                  | ٥.  |                         |                               |                                      |  |                  |                             | ۴.                                    |
| SE  | ×   | ×                                    | ×                                | ×                                | YES                         | ×   |                    |                              |                        | ×                | *   |                         | ×                             | ×                                    | ×  | ×                |                             | ×                                     |
| ANALYSIS<br>CAUSE<br>N POTOR PENTAL                                       |   |                                      | ×                                | ×                                | ON                          |   |                    |                              |                        |                  | ×   |                         |                               |                                      |  |                  |                             |                                       |
| PROPARTSON<br>PROPARTSON<br>PALEN<br>PALIN ASSIG                          |   |                                      | <b>6</b>                         |                                  | NO<br>NO                    |   |                    |                              |                        |                  |   |                         |                               |                                      |  |                  |                             |                                       |
|   | ×   | ×                                    | ×                                | ×                                | YES                         | ×   |                    |                              |                        | (x)              | ×   |                         | ×                             | \$t                                  | ۶.   | >:               |                             | ×                                     |
| AL TASK<br>REDROM   |   |                                      | Đ                                | Þ                                | YES                         |   |                    |                              |                        |                  | <b>2</b>  |                         |                               |                                      |  |                  |                             | >:                                    |
| YSK PER   |   |                                      |                                  |                                  | NO<br>NO                    |   |                    |                              |                        |                  |   |                         |                               |                                      |  |                  | ۶.                          |                                       |
| SOAL TASK<br>OCCUS - FASK PERSORY<br>ALLY EASTER HARDER                   | v   | ix                                   | a/s                              | a/s                              | DFRNT                       | c   | (s)                | 9                            | <b>(</b> P)            | ( <del>p</del> ) | 3/8   |                         | v.                            | v                                    | v.   | r                | ×                           | e                                     |
| NEW CASK LUST (DRIVER)  | 90. Acquire Targets From Open Hatch Using Maked Eye | 91. Acquire Targets While Stationary | 92. Acquire Targets While Noving | 93. Hand-Off Acquired<br>Targets | TARGET ENGAGEMENTS (NOPEUL) | 94. Perform Prepare To Fire Circks (Stationary) | a. Clean Periscope | b. Louer Scat/Close<br>Hatch | c. furn Sotor Power On | d. Start Engine  | 95, Perform Prepare-To-<br>Fire Checks (Moving)<br>(Establish/Maintain<br>Stendy Speed) | Stationary Ing chent st | 96. Locate Amounced<br>Target | 97. Search For Additional<br>Targets | 98. Scarch For Hall/Turret befillede Positions | 99. Round Sense: | 100. Mintain Tank Beadiness | 191. Monitor OR Controls/<br>Desplays |
|   | 5   | <b>.</b>                             | <b>J</b> .                       |                                  | XVIII.                      | Ū.  |                    |                              |                        |                  |   |                         |                               |                                      |  | -                | Ĭ                           | -                                     |

|      |      |                  | THI TASK LIST (DRIVER)                       | MOM TASK FIREDING | NSK P    | 1        | 9 9 |      | AMALYSIS<br>CAUSE<br>MOTOR MENTAL |               | 80f S      | TENTATIVE<br>SOLUTION | 72   | TRAINING<br>HORE JOB T | JOB TRUC | Dro                                    | TRAIL | TRAINING DELIVERY DATA | TRAIN | ERY DATA | 1        |
|------|------|------------------|--|-------------------|----------|----------|-----|------|-----------------------------------|---------------|------------|-----------------------|------|------------------------|----------|--|-------|------------------------|-------|----------|----------|
|      | -    | 1                |  |                   |          |          |     |      |                                   |               |            |                       |      |                        |          |  | -     |                        |       |          |          |
|      | •    |                  | Difference and Indiana                       | ۸                 |          |          | ×   |      |                                   | ×:            |            |                       | ×    | ×                      | ×        |  |       |                        |       |          |          |
|      | -    |                  | Flan Route of Departure                      | ×                 |          |          | ×   |      |                                   | ×             |            |                       | ×    | ×                      | ×        |  |       |                        |       |          |          |
|      |      |                  | May by Ongagements:                          |                   |          |          |     |      |                                   |               |            |                       |      |                        |          |  |       |                        |       |          |          |
|      | _    | :                | Steer Link Toward<br>Sarpet                  | ::/8              |          | Ľ        | ×   |      | <b>×</b>                          | <b>&gt;</b> : | ٠.         |                       | ×    | ×                      | ×        | ************************************** |       |                        |       |          |          |
|      | ¥Î.  | 2                | Contain Steady Speed                         | 57.               |          | :,       | ×   |      | ×                                 | ×             | ۴.         |                       | ×    | >:                     | >:       |  |       |                        |       |          |          |
|      | Ľ.   |                  | As of law of last acles                      | 1.5               |          | 1.       | ×   |      | 5 ii                              | <b>&gt;</b> : | c.         |                       | ×    | 184                    | ×        |  |       |                        |       |          |          |
|      | -    | 102              | Search For Other<br>Targets                  | ٠٠/١:             |          | 5        | ×   |      | ×                                 | ×             | ۴۰         |                       | ×    | ×                      | ×        |  |       |                        |       |          |          |
|      | ~    | . 90             | Search For Hull/Turret<br>Defilade Positions | 3/1               |          | 3        | ×   |      | ×                                 | ×             | ٠.         |                       | ×    | ×                      | ×        |  |       |                        |       |          |          |
| ,    | 44   | .60              | Round Senae                                  | a/s               |          | ם        | ×   |      | ×                                 | ×             |            |                       | ×    | ×                      | ×        |  |       |                        |       |          |          |
| W_11 | -    | 110.             | Respond to TC Driving<br>Commands            | n/s               |          | o o      | ×   |      | ×                                 | ×             | <b>.</b> . |                       | ×    | ×                      | ×        |  |       |                        |       |          |          |
| ×I   | XIX. |                  | TARGET ENGACEDENTS<br>(EMERCENCY OR MANUAL)  | DFDIT             | £        | YES      | YES | 0    | YES N                             | 08            | 808        | <u>0</u>              | YES  | YES NO                 | YES      | ۴-                                     | ٠.    | •                      | •-    | ••       | No       |
|      |      |                  | Noving Engagement:                           |                   |          |          |     |      |                                   |               |            |                       |      |                        |          |  |       |                        |       |          |          |
|      | -    | ij.              | Bring fank to Steady<br>Halt                 | a/s               |          | Þ        | ×   |      | ×                                 |               | ۴.         |                       | ×    | ×                      | ×        |  |       |                        |       |          |          |
|      | -    | 112.             | Prepare Tank to Move-<br>Out From Brief Halt | ۵                 | ×        |          |     |      |                                   |               |            |                       |      |                        |          |  |       |                        |       |          |          |
| ×I   | #I   | TARCET<br>SMOKE) | TARGET ENGAGEMENTS (USING SMOKE)             | and 1 m           | 9        | 0        | YES | NO I | )<br>Om                           | ı sav         | 8          | 9                     | YES  | YES NO                 | YES      | ••                                     | ~     | ~                      | ٠.    | ~        | NO       |
|      | -    | 113.             | 113. Operate Scoke Generator                 | ۵                 |          |          |     |      |                                   |               |            |                       |      |                        |          |  |       |                        |       |          |          |
|      | -    | 114.             | Drive in Smoke Environ-<br>ment              | Þ                 |          |          | ×   |      | ×                                 | ×             |            |                       | ĸ    | ×                      | ×        |  |       |                        |       |          |          |
| 뭐    | Ä    |                  | PERFORM DURING-FIRE PHCS                     | CHIOCE            | <b>9</b> | <u>Q</u> | Q.  | 9    | N ON                              | N ON          | ō.         | OM O                  | NO N | NO NO                  | 20       | 2725                                   | -     | N                      | 9     |          | YES      |
|      |      | (MONE)           | E)   |                   |          |          |     |      |                                   |               |            |                       |      |                        |          |  |       |                        |       |          |          |
| 괴    | 111  | PER              | XXII. PERFORM POST-FIRE PRES                 | DAT OUE           | 2        | 2        | 9   | 9    | ž OM                              | W 0#          | 9          | 0                     | 0    | NO NO                  | OH C     | 2                                      | -1    | ×                      | YES   | -        | <u>0</u> |
|      |      | (NONE)           | _  |                   |          |          |     |      |                                   |               |            |                       |      |                        |          | =                                      |       |                        |       |          |          |

|       |   | DYPUM- | TASK ( | DOYAWI- TASK PERFORM PROBLEM CAUSE ALITY EASTER HARDER TRAIN ASSICS HOTOR HENTAL | CONTARISON<br>PROBLEM<br>TRAIN ASSIG | ESICA    | CAUS<br>CAUS<br>CAUS<br>CAUS | S<br>SE<br>MENTAL |     | TENTATIVE<br>SOLUTION<br>SELECT TRAIN |     | TIN<br>100 | - A      | T12 T       | S =   | TRAINING DELIVERY DATA SKILL TRNG TRAINING SITE 1.EVEL TYPE OSUT TRANS UN | TE OSU   | AINING<br>T TRA | NING DELIVERY DATA TRNG TRAINING SITE TYPE OSUT TRANS UNIT | ПВ |
|-------|---|--------|--------|--|--------------------------------------|----------|------------------------------|-------------------|-----|---------------------------------------|-----|------------|----------|-------------|-------|---|----------|-----------------|--|----|
| X111. | SHUT DOWN SYSTEM  | Prior  | 9      | YES  | ¥ 53                                 | <b>8</b> | YES                          | YES               | NO  | <b>X</b>                              | YES | YES Y      | YES Y    | YES         | YES   | -   | X YES    | YES             | NO.  |    |
| 1115. | . Shut Down (Stop) Engine                                     | •      |        | ×  | ×                                    |          |                              | ×                 |     |                                       | ×   | ×          | ×        | ×           | ×     | _   | ×        |                 |  |    |
| 116.  | . Power hown and Secure<br>Driver Station                     | ۵      |        | ×  | ×                                    |          | ×                            | ×                 |     |                                       | ×   | ×          | ×        | ×           | ×     |   | ×        | ×               |  |    |
|       | a. Power Bown Hall<br>Electrical System                       | 3      |        | *  | (X)                                  |          |                              | <b>(</b> X        |     |                                       | *   | 3          | )<br>(X) | æ           |       |   | *        | <b>(X)</b>      | _  |    |
|       | b. Close/Lock DK's<br>Hatch                                   | 3      |        | 3  | <b>X</b>                             |          | <b>(X</b>                    |                   |     |                                       | 3   | <b>E</b>   | •        | (X)         |       | •   | *        | 8               | •  |    |
|       | c. Exit DR's Station  | Ð      |        |  |                                      |          |                              |                   |     |                                       |     |            |          |             |       |   | 3        | 3               | _  |    |
| XXIV. | PERFORM DURING OPPRATION PMCS (REFEAT TASKS #1, 2, 7)         | DFTDIT | 98     | YES  | ži.                                  | 0        | YES                          | XI<br>XI          | POS | ON<br>O                               | YES | YES        | YES N    | ON ON       | TES . | ×   | TES      | ON              | NO   |    |
| 117.  | . Check Rosdwheel and<br>Compensating idler Hubs<br>and Arms  | £      |        |  |                                      |          |                              |                   |     |                                       |     |            |          |             |       |   | ×        | •               |  |    |
| -12   | . Check Shock Absorbers                                       | ۵      | ×      |  |                                      |          |                              |                   | ٠.  |                                       |     |            |          |             |       |   | ×        |                 |  |    |
| 119.  | Check Roadwheels and<br>Coupensating idler<br>Wheels          | c      |        |  |                                      |          |                              |                   |     |                                       |     |            |          |             |       |   | ×        |                 |  |    |
| 120.  | . Check Torsion Bars  | ۵      |        |  |                                      |          |                              |                   |     |                                       |     |            |          |             |       |   | ×        |                 |  |    |
| 121.  | . Check Track Assembly  | ۵      |        |  |                                      |          |                              |                   |     |                                       |     |            |          |             |       |   | ×        |                 |  |    |
| 122.  | . Check Support Moller<br>Assembly                            | ۵      |        |  |                                      |          |                              |                   | ۲.  |                                       |     |            |          |             |       |   | ×        |                 |  |    |
| 123.  | . Check Hub and Sprocket<br>Assembly                          | e      |        |  |                                      |          |                              |                   |     |                                       |     |            |          |             |       |   | *        |                 |  |    |
| 124.  | . Check Driver Controls and Instruments                       | ۵      |        |  | 1                                    |          |                              |                   |     |                                       |     |            |          | <del></del> |       |   | ×        |                 |  |    |
|       | a. Check Steer-Throttla<br>Control for Freedom<br>of Novement | 3      |        |  |                                      |          |                              |                   |     |                                       |     |            |          |             |       |   | <b>E</b> | ^               |  |    |
|       | b. Check Steer-Thrattle<br>Control Adjustments                | 3      |        |  |                                      |          |                              |                   |     |                                       |     |            |          | =           |       |   | æ        | _               |  |    |

| NET CASK LIST<br>(DRIVEX)  | N:: N.   | TASK     | TASK PERINDER FASTER HARDER | PROBLEM<br>TRAIN ASS | Z 3 | ANALYSIS<br>CAUS<br>INTOR H | SE<br>TENTAL | JOB<br>SAMPLE | TENTATIVE<br>SOLUTION<br>SELECT TRAIN |           | TRAINING HORE JOB TRNG HO AID DEV | IN INC<br>JOB TRNC<br>AID DEV | DID | SKILL TRYG | TYPE | DELIVER<br>TRAIN | TRAINING DELIVERY DATA III, TRUG TRAINING SITE VEL IYPE OSUT TRAIS UNIT |  |
|--|----------|----------|-----------------------------|----------------------|-----|-----------------------------|--------------|---------------|---------------------------------------|-----------|-----------------------------------|-------------------------------|-----|------------|------|------------------|---|--|
| c. Gack Service Brakes<br>for Palling  | ę.       |          |                             |                      |     |                             |              |               |                                       |           |                                   |                               |     |            |      | ×                |   |  |
| d. Cinch Parking Brake   | 9        |          |                             |                      |     |                             |              |               |                                       |           |                                   |                               |     |            |      | <b>x</b>         |   |  |
| NAV. TRAUBLISHOOT HULL.  | DFRNT    | NO<br>NO | YES                         | YES                  | Pos | ON                          | YES          | Pos           | SO.                                   | YES Y     | YES NO                            | YES                           | YES |            | ×    | YES              | ?<br>NO   |  |
| 125. Troubleshoot Oriver<br>Control Panel Marning<br>and Caution Lights (22) | £        |          | ×                           | ×                    | ٠.  |                             | ×            | ••            |                                       | ×         | ×                                 |                               | ×   | -          | ×    | ×                |   |  |
| a. Master Warning!<br>Caution Light<br>Failures (2 each)                     | ઉ        |          |                             | <b>x</b>             |     |                             | ( <b>x</b>   |               |                                       | ×         |                                   | æ                             |     |            |      | <b>E</b>         |   |  |
| b. Inglus off Lights (3)   | 3        |          |                             | <b>(X</b>            |     |                             | (x)          |               |                                       | <b>(X</b> |                                   | æ                             |     |            |      | <b>x</b>         |   |  |
| c. Transmission Oil<br>Lights (3)  | 3        |          |                             | 8                    |     |                             | <b>(x)</b>   |               |                                       | 8         |                                   | æ                             |     |            |      | <b>(X)</b>       |   |  |
| d. Hydraulics System<br>Malfunction Light                                    | 9        |          |                             | 8                    |     |                             | (x)          |               |                                       | <b>X</b>  |                                   | £                             |     |            |      | <b>(X</b> )      |   |  |
| e. Parking/Service<br>Brakes Light (3)                                       | 9        |          |                             | <b>X</b>             |     |                             | æ            |               |                                       | (X        |                                   | *                             |     |            |      | <b>x</b>         |   |  |
| <ol> <li>Circuit Breaker</li> <li>Lights (2)</li> </ol>                      | (3)      |          |                             | <b>X</b>             |     |                             | (X)          |               |                                       | 8         | (x)                               | <b>X</b>                      |     |            |      | æ                |   |  |
| g. Cable Disconnected<br>Light (1)   | 3        |          |                             | æ                    |     |                             | 8            |               |                                       | 3         | (X)                               | <b>E</b>                      |     |            |      | æ                |   |  |
| h. Low Rattory (2)   | Ð        |          |                             | (x)                  |     |                             | 8            |               |                                       | <b>X</b>  |                                   | *                             | _   |            |      | <b>X</b>         |   |  |
| i. Rear Firel Pump (2)   | ê        |          |                             | <b>(x</b> )          |     |                             | (x)          |               |                                       | <b>X</b>  |                                   | ×                             |     |            |      | <b>*</b>         |   |  |
| j. Fuel Control Faulty<br>Light  | €ે       |          |                             | (x)                  |     |                             | (x)          |               |                                       | 3         |                                   | È                             |     |            |      | <b>X</b>         |   |  |
| k. Air Cleaner Clogged<br>Filter Light (1)                                   | 3        |          |                             | <b>x</b>             |     |                             | <b>E</b>     |               |                                       | 8         |                                   | ×                             |     |            |      | Ê                |   |  |
| 126. Troubleshoot Driver's Indicator Lights (2)                              | <b>a</b> |          |                             | ×                    |     |                             | ×            | ٠.            |                                       | ×         |                                   | ×                             |     |            |      |                  |   |  |
| 4. Engine Started Light  | 9        |          |                             | 8                    |     |                             | <b>(x</b>    |               |                                       | æ         |                                   | ×                             |     |            |      | **               |   |  |
| b. Switch Indicator<br>Light   | 3        |          |                             | *                    |     |                             | 8            |               |                                       | <b>X</b>  |                                   | 3                             | _   |            |      |                  |   |  |

| TRAINING DELIVERY DATA DTD SKILL TRNG TRAINING SITE TASK LEVEL TYPE OUT TRANS UNIT | X X                           | (x)               | (x)                             | (x)                  | (x)                           | (ж)                           | (x)              | (x)                | (x)                          | (x)                             | (x)                  | x x x x                                 | (x)                     | *                     | (x)                   | *                      | ×                            | (x)                         | (x)                     |
|--|-------------------------------|-------------------|---------------------------------|----------------------|-------------------------------|-------------------------------|------------------|--------------------|------------------------------|---------------------------------|----------------------|---|-------------------------|-----------------------|-----------------------|------------------------|------------------------------|-----------------------------|-------------------------|
| TRNC   | ×                             | æ                 | Ê                               | æ                    | (×)                           | 3                             | ×                | $\mathfrak{S}$     | 3                            | æ                               | æ                    | ×                                       | ×                       | ×                     | (x)                   | (x)                    | ×                            | ×                           | <u>×</u>                |
| MORE JOB TO HO MID DO  |                               |                   |                                 |                      |                               |                               |                  |                    |                              |                                 |                      |   |                         |                       |                       |                        |                              |                             |                         |
| TENTATIVE<br>SOLUTION<br>SELECT TRAIN  | ×                             | ×                 | *                               | æ                    | <b>E</b>                      | æ                             | ×                | ×                  | ×                            | (×                              | (x)                  | ×                                       | (x)                     | (x)                   | ×                     | (x)                    | ×                            | 8                           | <b>×</b>                |
|  | ٠.                            |                   |                                 |                      |                               |                               |                  |                    |                              |                                 |                      | ٠.                                      |                         |                       |                       |                        |                              |                             |                         |
| 308<br>SAMP12  | ٠.                            |                   |                                 |                      |                               |                               |                  |                    |                              |                                 |                      | •                                       |                         |                       |                       |                        | ۴.                           |                             |                         |
| A:ALYSIS<br>CAUSE<br>FOTOR PENTAL  | ×                             | <b>(x</b> )       | 3                               | (x)                  | *                             | *                             | <b>(</b> x)      | (x)                | *                            | <b>(</b> ×                      | 8                    | ×                                       | Š                       | ×                     | æ                     | (x)                    |                              |                             |                         |
| I TASK COMPARISON AND PROBLEM ANDER THAIN ASSIGN                                   | ٠.                            |                   |                                 |                      |                               |                               |                  |                    |                              |                                 |                      | ۴۰                                      |                         |                       |                       |                        |                              |                             |                         |
| PROSIP<br>PRO<br>TRALX   | ×                             | *                 | 3                               | <b>(x</b> )          | 3                             | æ                             | (x)              | æ                  | *                            | 8                               | ×                    | ×                                       | (x)                     | <b>(X)</b>            | (x)                   | <b>(x</b> )            | >:                           | *                           | ×                       |
| MOAL TASK PERFORM<br>ALITY EASTER HARDER   | ×                             |                   |                                 |                      |                               |                               |                  |                    |                              |                                 |                      | *                                       |                         |                       |                       |                        | *                            |                             |                         |
| אני::עגי:יעג<br>אניניא   | ۵                             | 9                 | 9                               | 9                    | 9                             | Đ                             | 9                | (P)                | 9                            | <b>②</b>                        | ( <del>p</del> )     | a                                       | (P)                     | (P)                   | (P)                   | (P)                    | 2                            | 9                           | 9                       |
| XM1 CASK LIST<br>(DRIVER)  | 127. Troubleshoot Engine (19) | a. Fails to Crank | b. Granks but Pails to<br>Start | c. Crasks but Aborts | d. Starter Falls to<br>Engage | e. Faulty Engine Speed at PVT | f. Engine Smokes | g. Engine Sluggish | h. Engine Shuts Down<br>Auto | i. Engine Falls to<br>Shut Down | j. Fuel Pump Failure | 128. Troubleshoot Trans-<br>mission (4) | s. Falls to Shift Gears | b. Tank Zails to Nove | c. Tank Fails to Turn | d. lank Fails to Pivot | 129. Troubleshoot Brakes (2) | a. Service Brakes<br>Faulty | b. Parking Brake Faulty |

|      | XMI TASK LIST<br>(DRIVER)  | COSPICE ALITY | YEK<br>TASK PI | MOM TASK<br>PERFORM<br>IER HARDER | C COMPARISON<br>PROSLEM<br>TRAIN ASSIG |   | AKALYSIS<br>CAUSE<br>HOTOR HEN | TAL SA   | JOS SAMPLE SI | TENTATIVE<br>SOLUTION<br>SELECT TRAIN |             | AID AID | <b>□</b> | DTD SI | SKILL TI<br>LEVEL T | TYPE OSUT |              | ERY DATA<br>NING SITE<br>TRANS [UNIT |  |
|------|--|---------------|----------------|-----------------------------------|--|---|--------------------------------|----------|---------------|---------------------------------------|-------------|---------|----------|--------|---------------------|-----------|--------------|--------------------------------------|--|
| .30. | Troubleshoot Driving<br>Lights and Dome Lights<br>(6)                                | a             |                | ×                                 | ×                                      | ı |                                |          | <b>F</b> •    |                                       | ×           |         | ×        |        |                     |           |              |                                      |  |
|      | a. Domelight Fails to<br>Light   | €             |                |                                   |  |   |                                |          |               |                                       |             |         |          |        |                     |           |              |                                      |  |
|      | b. Service Lights Fail to Light  | 3             |                |                                   | <b>E</b>                               |   |                                |          |               | Ü                                     | (x) (x)     | 0       |          |        |                     |           |              |                                      |  |
|      | to Light Fails   | (s)           |                |                                   | (x)                                    |   | (x)                            | _        |               | J                                     | (x) (x)     |         |          |        |                     |           |              |                                      |  |
|      | d. BO-Lights fail to<br>Light  | <u>9</u>      |                |                                   | ž                                      |   | æ                              | _        |               | <u> </u>                              | (×          |         | (x)      |        |                     |           |              |                                      |  |
|      | e. Stoplights Fail to<br>Light   | ( <b>s</b> )  |                |                                   | (x)                                    |   | ×                              | _        |               | J                                     | (x) (x)     | 0       | (x)      |        |                     |           |              |                                      |  |
|      | f. Turst Domelight<br>Pails to Light   | 3             |                |                                   |  |   |                                |          |               |                                       |             |         |          |        |                     |           |              |                                      |  |
| 131. | Troubleshoot Auxiliary<br>Systems (10)   | ۵             |                | <b>×</b>                          | ×                                      |   | 7                              | ×        | ~             |                                       | ×           |         | н        |        |                     |           | *            |                                      |  |
|      | a. Smoke Cemerator<br>Failure  | 3             |                |                                   | <b>(X</b>                              |   | 3                              | _        |               | Ÿ                                     | <b>(X</b> ) |         | <b>X</b> |        |                     |           |              |                                      |  |
|      | b. Driver Gas Particu-<br>late Neater Pails<br>to Heat                               | 3             |                |                                   | æ                                      |   | 3                              |          |               | S                                     | €           |         | 3        | 3      | e e                 | (×        | æ            |                                      |  |
|      | c. Gas Particulate<br>Filter Blower<br>Failure                                       | 3             |                |                                   | <b>(X)</b>                             |   | 3                              | <b>.</b> |               | J                                     | 3           |         | 3        | 8      | -                   | ) (x)     | ( <b>x</b> ) |                                      |  |
|      | d. Bilge Pump (2)  | 3             |                |                                   | <b>(x)</b>                             |   | æ                              |          |               | J                                     | E           |         | 3        |        |                     |           |              |                                      |  |
|      | e. Might Vision Viewer (AM/VVS-2) (2)  | 3             |                |                                   | <b>E</b>                               |   | *                              |          |               | J                                     | (x)         | 6       | æ        | *      | 1                   | (X)       | <b>X</b>     |                                      |  |
|      | f. Personnel Heater (3)  | 3             |                |                                   | 3                                      |   | æ                              | _        |               | J                                     | æ           |         | <u>×</u> | ×      | 7                   | 8         | <b>X</b>     |                                      |  |
| E Z  | PERPORM AFTER OFERATION<br>PHCS (REPEAT TASKS #1,<br>2, 4, 5, 6, 8, 115 thru<br>124; | DFROT         | Q              | YES                               | YES                                    | 2 | NO YES                         | Si<br>On | •             | NO Y                                  | YES YES     | S YES   | NO       | YES    | Ħ                   | *<br>*    | YES YES      | o ž                                  |  |

|           | NEL CASK LIST<br>(DELVER)                              | N. T. T. | WENN- TASK TOWNS TASK WILLY TASK TASK TASK TASK TASK TASK TASK TASK | UORA<br>UNITALI | COPPARTS<br>FRORES | 2 2    | YS1S<br>CAUSE<br>TOR PICS | CALSE JOB | TINTATIVE<br>SOLUTION<br>SPLECT TRAIN | NATA | TRAI<br>HORE J | TRAINING NE JOB TRNG | DTD | X 31 | IING DE | TRAINING DELIVERY DATA 11.1. TRNG TRAINING SIT VEL TYPE OSUT TRANS U | ERY DATA<br>NING SITE<br>TRAYS UNIT |   |
|-----------|--|----------|---|-----------------|--------------------|--------|---------------------------|-----------|---------------------------------------|------|----------------|----------------------|-----|------|---------|--|-------------------------------------|---|
| 132.      | 132. Check Skirt Panels,<br>Fenders, and Mud<br>Guards | a a      |   |                 | ×                  | ×      |                           |           |                                       | ×    | *              |                      |     |      |         | ×  | ×                                   |   |
| 133.      | 133. Check Adjusting Link<br>Assembly                  | ۵        |   |                 |                    |        |                           |           |                                       |      |                |                      |     |      |         | ×  | ×                                   |   |
| 134.      | 134. Check Final Drive<br>Flugs and Housing            | a        |   |                 |                    |        |                           |           |                                       |      |                |                      |     |      |         |  | ×                                   |   |
| 135.      | 135. Check/Service Air<br>Filter                       | Đ        |   |                 | ×                  |        | *                         |           |                                       | ×    | ×              |                      |     |      |         |  | ×                                   |   |
| XXVII. LU | LUBRICATE XMI ACCORDING<br>TO LUBRICATION ORDER (10)   | DETOUT   | ov.   | YES             | YES N              | NO YES | ss ves                    | ON S      | ON NO                                 | YES  | YES            | YES NO               | YES | 1    | 2       | NON ON   | NO YES                              | • |

TABLE V

XM1 TASK LIST

(CREW INTERACTIVE)

| #  |       | LYOUN | AT TACK  | COMPAPICON | A NOSTO | ANATVETE |        |          | TENTATIVE    | 5    | TR/  | TRATETYC | Γ  |
|--|-------|-------|--|------------|---------|----------|--------|----------|--------------|------|------|----------|----|
| Validate con   | NONDA | TACK  | Maria  |            | I FW    | TAIISE   | 7.10   | I.J.R    | SOLITION     |      | MORF | TRNC     | CZ |
| (CREW INIERACIIVE)   | ALITY | _     | EASTER HARDER TRAIN ASSIGN MOTOR MENTAL SAMPLE | TRAIN      | ASSIGN  | POTOR    | MENTAL | SAMPLE   | SELECT TRAIN | RAIN | HOH  | AID DEV  | اذ |
| 1. PERFORM BEFORE/DURING/<br>Alter PMCS (EXTERIOR)                 | DFRNT | OX    | YES  | YES        | ON      | YES      | YES    | ON       | ON           | YES  | YES  | YES NO   |    |
| <ol> <li>Remove/Install Tank<br/>Tarpaulin</li> </ol>              | S     |       |  |            |         |          |        |          |              |      |      |          |    |
| <ol> <li>Check/Service Basic<br/>Issue Items</li> </ol>            | ۵     |       | ×  | ×          |         |          | ×      |          |              | ×    | ×    | ×        |    |
| 3. Refuel Tank   | ۵     |       | ×  | ×          |         |          | ×      |          |              | ×    | ×    |          |    |
| 4. Check Service Tank<br>Driving Lights                            | S     |       |  |            |         |          |        |          |              |      |      |          |    |
| 5. Check/Service Bore<br>Evacuator                                 | so    |       |  | ×          |         | ×        |        |          |              | ×    | ×    |          |    |
| 6. Wash/Clean Tank   | (n    |       |  |            |         |          |        |          |              |      |      |          |    |
| 7. Spot Paint Tank   | S     |       |  |            |         |          |        |          |              |      |      |          |    |
| 11. PERFORM BEFORE/DURING/<br>AFTER PHCS (INTERIOR)                | DFRNT | ON.   | YES  | YES        | ON ON   | YES      | YES    | NO       | ON           | YES  | YES  | YES YES  | S  |
| 8. Conduct NBC Check   | w     |       |  | ×          |         |          | ×      |          |              | ×    | ×    |          |    |
| 9. Conduct Radio Check   | s     |       |  | ×          |         |          | ×      |          |              | ×    | ×    |          |    |
| 10. Test Firing Circuits   | ۵     |       |  | ×          |         |          | ×      |          |              | ×    | ×    | ^        | ×  |
| 11. Test Panel Lights  | 5     |       |  |            |         |          |        |          |              |      |      |          |    |
| 12. Stow and Inspect Amno  | ۵     |       |  |            |         |          |        | <i>.</i> |              |      |      |          |    |
| <ol> <li>Check/Service Main Gun<br/>Breechblock Assably</li> </ol> | v     |       |  | ×          |         | *        |        |          |              | ×    | ×    |          |    |
|  |       |       |  |            |         |          |        |          |              |      |      |          |    |

| 1911 4974 176                              |          | ¥      | MANAT TACK | - 1   | COMPABTSON | ANALYCTS | V            |          | TENTATIVE | 25    | T.   | TRATMENE | Γ.    |
|--|----------|--------|------------|-------|------------|----------|--------------|----------|-----------|-------|------|----------|-------|
| VE)  | -NOKOKOC |        |            | PRO   |            | CAUSE    | SE           | 308      |           | N.    | HORE | SOC      | TRING |
|  | FIT      | EASIER | HARDER     | TRAIN | ASSIGN     | MOTOR    | MOTOR MENTAL | SAMPLE   | SELECT    | IKAIN | 2    | 1        |       |
| III. BORESICHT FIRE CONTROL SYSTEM         | DFRNT    | NO     | YES        | YES   | POS        | NO       | YES          | POS      | POS       | YES   | YES  | YES 1    | ON    |
| 14. Boresight Main Gun                     | ۵        |        | ×          | ×     | 6          |          | ×            | <b>~</b> | ٠.        | ×     | ×    | ×        |       |
| is. Borcsight Cal .50                      | ۵        |        | ×          | ×     |            |          | ×            |          |           | ×     | ×    | ×        |       |
| IV. ZERO FIRE CONTROL SYSTEM               | DFRONT   | NO     | YES        | YES   | POS        | NO       | YES          | POS      | POS       | YES   | YES  | NO       | YES   |
| 16. Zero Mein Gun                          | ۵        |        | ×          | ×     | 6.         |          | ×            | ٠.       | ~-        | ×     | ×    |          | ×     |
| 17. Zero X240 Coax Machine-<br>gun         | Α        |        | ×          | ×     | e          |          | ×            |          | 6~        | ×     | H    |          | H     |
| 16. Zero Cal .50 Machinegun                | s        |        |            |       |            |          |              |          |           |       |      |          |       |
| V. ACQUIRE TARGETS                         | DFRNT    | 9      | <b>%</b>   | YES   | Ŏ.         | YES      | YES          | ON       | 2         | YES   | YES  | 2        | YES   |
| 19. Perform Surveillance<br>Duties         | ۵        | ×      |            |       |            |          |              |          |           |       |      |          |       |
| 20. Perform Silent Watch<br>Duties         | ۵        | ×      |            |       |            |          |              |          |           |       |      |          |       |
| 21. Hand-ACE Acquired Targets              | vs       |        |            | ×     |            | ×        | ×            |          |           | ×     | M    |          | ×     |
| 22. Obtain/Relinquish Turrel Control       | ۵        |        |            | ×     |            | ×        |              |          |           | ×     | ×    |          | ×     |
| VI. ENGAGE TARGETS                         | DFRNT    | YES    | YES        | YES   | P06        | YES      | YES          | Pos      | POS       | YES   | YES  | NO       | YES   |
| 23. Engage Targets With<br>Main Gun        | n/a      | Q      | ב          | ×     | <b>6</b>   | ×        | ×            | ٠.       | ~         | M     | ×    |          | ×     |
| 24. Engage Targets With Coexial Machinegun | n/a      | ۵      | Þ          | ×     |            | ×        | ×            |          |           | ×     | ĸ    |          | ×     |

|   |          | 214   | MEON! TACK    |       | COMPADICON | AMATUCTO | 0            |         | TENTATIVE                             | an.   | TD   | TRAINING |      |
|---|----------|-------|---------------|-------|------------|----------|--------------|---------|---------------------------------------|-------|------|----------|------|
| (CREW INTERACTIVE)                                    | -NOWWOO  | TASK  |               |       | PROBLEM    | CA       | CAUSE        | JOB     | SOLUTION                              |       | MORE | JOB      | TRNG |
|   | ALITY    | _     | EASTER HARDER | TRAIN | ASSICN     | _        | MOTOR MENTAL | SAMPLE  | SELECT .                              | TRAIN | НО   | AID      | DEV  |
| 25. Engage Targets With Cal. 50 Machinegum            | a/d      |       | n             | ×     | ۰۰         | ×        |              | -       | ٠٠                                    | ×     | ×    |          | ×    |
| 26. Engage Targets Sits<br>Lader's M249 Machin<br>gun | £.,      |       |               | ×     |            | ×        | : <b>*</b> ( |         |                                       | ×     | ×    |          | ×    |
| 2). Engage Targets Using<br>Range Card Data           | £        | ×     |               | ×     |            |          | ×            |         |                                       | ×     | ×    |          | ×    |
| 28. Engage/Evade Targets<br>Using Saoke               | <b>2</b> |       |               | ×     |            | ×        | ×            |         |                                       | ×     | ×    |          | ×    |
| VII. ADJUST FIRE                                      | DFRNT    | YES   | YES           | YES   | POS        | YES      | YES          | POS     | POS                                   | YES   | YES  | NO       | YES  |
| 29. Round Sense                                       | n/a      | n/a   | n             | ×     | ٠.         |          | ×            | ٠.      | ٠.                                    | ×     | ×    |          | ×    |
| 30. Turret-Carry                                      | n/c      | Q     | Ð             | ×     |            | ×        | ×            |         |                                       | ×     | >4   |          | ×    |
| 31. Toggle dange Correction                           | a        |       |               | ×     | ٠.         | ×        | ×            | ٠.      | ٠,                                    | ×     | ×    |          | ×    |
| VIII. RESTOND TO PIRE CONTROL SYSTEM FAILURES         | DFRNT    | ON ON | YES           | YES   | POS        | ON       | YES          | POS     | POS                                   | YES   | YES  | YES 1    | YES  |
| 32. Respond to Main Gun<br>Mistire                    | ω        |       |               | ×     |            |          | ×            | <u></u> |                                       | ×     | ×    |          | ×    |
| 33. Respond to Coax Machine-gun Hisfire               | ν        |       |               | ×     |            |          | ×            | ^       | · · · · · · · · · · · · · · · · · · · | ×     | ×    |          | ×    |
| 34. Respond to LRFD Multiple Returns                  | 5        |       |               | ×     | ٠.         |          | ×            | ٠.      | ۰.                                    | ×     | ×    | ×        | ×    |
| 35. Respond to Combined Weapon System Failures        | 5        |       |               | ×     | ~          |          | ×            | ٠.      | ٠.                                    | ×     | ×    | ×        | ×    |

|     | XM1 TASK LIST                                       |          | 160                          | MONI TASK | COMPARISON           |    | ANALYSIS              |              |               | TENTATIVE             | Z Z   | TR         | VININ   | П    |
|-----|---|----------|------------------------------|-----------|----------------------|----|-----------------------|--------------|---------------|-----------------------|-------|------------|---------|------|
|     | (CREW INTERACTIVE)                                  | NUX:1.1A | TASK PERFORM<br>EASTER HARDE | ~         | PROBLEM<br>TRAIN ASS | ß  | CAUSE<br>MOTOR MENTAL | SE<br>MENTAL | JOB<br>SAMPLE | SOLUTION<br>SELECT TR | TRAIN | HORE<br>HO | AID     | TRNG |
| IX. | RECOVER A TANK                                      | DFRNT    | ON                           | YES       | YES                  | 0  | YES                   | YES          | NO            | NO                    | YES   | YES        | NO NO   | _    |
| 3   | 36. Slave Start A Tank                              | A        |                              |           | ×                    |    | ×                     | ×            |               |                       | ×     | ×          |         |      |
| 3   | 37. Tow Start A Tank                                | ۵        |                              |           | ×                    |    | ×                     | ×            |               |                       | •×    | ×          |         |      |
| ~   | 38. Tow A Disabled Tank                             | Q        |                              | ×         | ×                    |    | ×                     | ×            |               |                       | ×     | ×          |         |      |
|     | 39. Retrieve A Mired XM1<br>Tank by Similar Vehicle | ۵        |                              |           | ×                    |    | ×                     | ×            |               |                       | ×     | ×          |         |      |
| 4   | 40. Short Track A Tank                              | ם        |                              |           | ×                    |    | ×                     | ×            |               |                       | ×     | ×          |         |      |
| 4   | 41. Remove/Install A Thrown<br>Track                | Δ        |                              |           | ×                    |    | ×                     | ×            |               |                       | ×     | ×          |         |      |
| .3  | 42. Remove/Install Track<br>Blocks                  | ۵        |                              |           | ×                    |    | ×                     | ×            |               |                       | ×     | ×          |         |      |
| 4   | 43. Unlock Stuck Parking<br>Brakes                  | Þ        |                              |           | ×                    |    | ×                     | ×            |               |                       | ×     | ×          |         |      |
| ×۱  | FORD WATER OBSTACLE                                 | DFRNT    | ON                           | YES       | YES                  | ON | ON                    | YES          | POS           | NO                    | YES   | YES        | YES NO  |      |
| 4   | 44. Install Water Fording<br>Kit Items              | Ω        |                              | ×         | ×                    |    |                       | ×            | ٠٠            |                       | ×     | ×          | ×       |      |
| •   | 45. Inspect Fording Vehicle                         | Δ        |                              | ×         | ×                    |    |                       | ×            |               |                       | ×     | ×          | ×       |      |
| 4   | 46. Prepare For Operation<br>After Fording          | ۵        |                              | ×         | ×                    |    | ×                     | ×            |               |                       | ×     | ×          | ×       |      |
| XI. | PERFORM TANK/CREW SURVIVAL ACTIONS                  | DFRNT    | YES                          | YES       | YES                  | ON | YES                   | YES          | POS .         | ON                    | YES   | YES        | YES YES | S    |
| 4   | 47. Respond To Nuclear<br>Attack                    | Δ        |                              |           | ×                    |    |                       | ×            |               |                       | ×     | ×          | ×       |      |

|  |       | *****                        |         | TACAN. | AT TACK | MONTABLECOM | ANALVETS | U      |        | TENTATIVE    | TR    | TRAINING | [,   |
|--|-------|------------------------------|---------|--------|---------|-------------|----------|--------|--------|--------------|-------|----------|------|
| D  | 3     | CREW INTERACTION             | -MOMPAC | TASK   | -12     | PROBLEM     |          | SE     | JOB    | NCILATOS     | NO RE | 303      | TRNC |
|  |       |                              | ALITA   | ·W     | ILARDER | TRAIN       | MOTOR    | HENTAL | SAMPLE | SELECT TRAIN | 잂     | QĮV      | DEV  |
|  | 48.   |                              | ۵       |        |         | ×           |          | ×      |        | ×            | H     | ×        |      |
|  | 49.   |                              | ۵       | ×      |         | ×           | ×        | ×      |        | ×            | ×     | ^        | ×    |
|  | 50.   |                              | A       |        | ×       | ×           | ×        | ×      |        | ×            | ×     |          |      |
|  | 21.   |                              | A       | ×      |         | ×           |          | H      |        | ×            |       | ×        |      |
|  | 52.   |                              | ρ       |        | ×       | ×           | ×        | H      |        | ×            | ×     |          |      |
|  | 53.   | Keber<br>Hatch               | vs      |        |         | ×           | ×        |        | ×      | ×            | H     |          |      |
|  | ĸ     |                              | S       |        |         | ×           |          | H      |        | ×            | ×     |          |      |
|  | 55.   |                              | S       |        |         | ×           |          | H      |        | ×            | ×     | H        |      |
|  | %     |                              | G.      |        | ×       | н           | ×        | H      |        | M            | H     |          |      |
|  | 57.   |                              |         |        |         |             |          |        |        |              |       |          |      |
|  | *     |                              |         |        |         |             |          |        |        |              |       |          |      |
| CZ   | \$    |                              |         |        |         |             |          |        |        |              |       |          |      |
| Perform PM on BII S X X X X X Y Yrepare Power Pack for S X X X X X X X | MI. W | LISTALIN VIRICLE/ RODIFICATI |         | 2      | MO      |             | ×        | ×      | ON     | ×            | H     | H        |      |
| Propers Power Pack for S X X X X X X X X X X X X X X X X X X           | 3     |                              | *       |        |         | ×           | ×        | ×      |        | ×            | ĸ     | ×        |      |
|  | 61.   |                              | •       |        |         | ×           | H        | ×      |        | ×            | ×     | ×        |      |